STOCK ASSESSMENT AND FISHERY EVALUATION REPORT FOR THE GROUNDFISH FISHERIES OF THE GULF OF ALASKA AND BERING SEA/ALEUTIAN ISLANDS AREA:

ECONOMIC STATUS OF THE GROUNDFISH FISHERIES OFF ALASKA, 2013

by

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The authors of the Groundfish SAFE Economic Status Report invite users to provide feedback regarding the quality and usefulness of the Report and recommendations for improvement. AFSC's Economic and Social Sciences Research Program staff have begun an initiative to revise the SAFE Economic Status Reports for Alaska Groundfish and BSAI Crab to incorporate additional analytical content and synthesis, improve online accessibility of public data in electronic formats, and otherwise improve the utility of the reports to users. We welcome any and all comments and suggestions for improvements to the SAFE Economic Status Reports, and have developed an online survey to facilitate user feedback. The survey is available at:
`http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE_survey.php`

This report will be available at:
`http://www.afsc.noaa.gov/refm/docs/2014/economic.pdf`

Time series of data for the tables presented in this report (in CSV format) are available at:
`http://www.afsc.noaa.gov/refm/Socioeconomics/SAFE/default.php`

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Dear Reader,

This preliminary report of the "Economic Status of the Groundfish Fisheries Off Alaska" is compiled for the express purpose of the Sept. 2014 meeting of the Groundfish Plan Team. A final draft of this report will be prepared for the Nov. 2014 meeting of the Groundfish Plan Team. The data contained within this report are the most recent data available. At the time this report was compiled, data continue to be finalized and validated. In some cases, numbers in the final draft of this report may change from those presented in this preliminary draft. As we finalize and validate the data in this report Economic and Social Sciences Research Program welcomes any feedback from readers regarding data.

Thank you,
Alaska Fisheries Science Center,
Economic and Social Sciences Research Program

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1. EXECUTIVE SUMMARY

The commercial groundfish fishery off Alaska catch totaled 2.2 billion t in 2013 (this total includes catch in federal and state waters). This amount was up 2.3% from 2012 (Fig. 1 and Table 1), and was roughly four times larger than the catch of all other commercial species combined. Despite the increased groundfish catch 2013, the 4:1 ratio to other species was less than typical because of the substantial 65% increase in Pacific salmon catch (Table 1A). The groundfish fishery off Alaska is an important segment of the U.S. fishing industry. In 2012 it accounted for 48% of the weight of total U.S. domestic landings (Fisheries of the United States, 2012)

Catches of commercial groundfish across all species generally increased slightly or remained stable in 2013. The contributions of the major groundfish species or species groups to the total catch are depicted in Fig. 2. Alaska pollock is the dominant species off Alaska and in 2013 accounted for 63% of groundfish with catch of 1.4 million t, an increase of 4.6% from 2012 (Table 1). Pollock is caught primarily with trawl gear and 93% of the catch comes out of the Bering Sea and Aleutian Islands (BSAI) (Table 2). Catch for the sablefish, aggregate flatfish, and rockfish species complexes similarly increased in 2013. However Pacific cod catch, which accounted for 15% of the total in 2013, did decrease slightly (3%) to 319 thousand t. This decrease came from both hook and line (including longline and jigs) and pot gear types (Table 1). Atka mackerel catch declined precipitously, falling by 50% to 24 thousand t in 2013 as a result of reduction in the total allowable catch (TAC).

The real ex-vessel value (2013 USD) of the catch of commercial fisheries for all species decreased from $2.1 billion in 2012 to $1.9 billion in 2013 (Fig. 4 and Table 16) (totals include catch in federal and state waters as well as the imputed value of catch processed at sea).[1] The groundfish fisheries accounted for the largest share (46%) of the ex-vessel value of all commercial fisheries off Alaska in 2013, below its ten-year average share of 50% (Fig. 3 and Table 17). This drop in share can again be largely attributed to the abnormally large 2013 catch of Pacific salmon, whose share of the total Alaska ex-vessel value increased 10% to $680 million. Other commercial fisheries (shellfish, herring, and Pacific halibut) decreased in 2013 as well. Average prices for groundfish, Pacific salmon and Pacific halibut also fell in 2013 (calculated from Tables 1, 1A and 16). Alaska accounted for 21% of the ex-vessel value of total U.S. domestic landings (Fisheries of the United States, 2012).

The decrease in aggregate ex-vessel value in 2013 occurred broadly across nearly all species and gear types within Alaska's FMP groundfish fisheries (Table 19).[2] Alaska pollock, the dominant commercial species off Alaska, lost $41 million (8.3%) in ex-vessel value (gross revenue) between 2012 and 2013. However, the largest loss came from Pacific cod with a $69 million (29%) drop in value. Sablefish, flatfish, rockfish, and Atka mackerel experienced similar reductions in ex-vessel value between 2012 and 2013. The decrease in ex-vessel value in 2013 was driven by prices, which fell by proportionally similar margins (Table 18) (total catch increased slightly). While the decreases in 2013 are marked, they come after multiple consecutive years of increasing ex-vessel value. Between 2009-2013 total ex-vessel value grew by 7.9% (Table 19). With the exception of Atka mackerel and sablefish the 2013 ex-vessel value for each species is on par with levels observed around 2010 and 2011. While sablefish catches have been stable the ex-vessel price has dropped after being high for

[1] Th data required to estimate benefits to either the participants in fisheries or the Nation, such as cost or quota value (where applicable) data, are not available. Unless otherwise noted value should be interpreted as gross revenue.

[2] An FMP fishery is one that is managed under a Federal Managment Plan.

an extended period. The low ex-vessel value for Atka mackerel is the result of a precipitous 50% drop in catch in 2013 (Table 1).

Alaska's FMP fisheries can be broadly divided in to two sectors: catcher vessels which deliver their harvest to shoreside processors, and the at-sea processing sector whose processed product sells directly to the first wholesale market. In 2013, catcher vessels accounted for 48% of the ex-vessel value of the groundfish landings compared to 44% of the total catch because catcher vessels take larger percentages of higher-priced species such as sablefish (Table 18). The ex-vessel value of the at-sea sector is imputed from observed wholesale value to exclude the value added by at-sea processing.

The gross value of the 2013 groundfish catch after primary processing (first wholesale) was $2.17 billion (F.O.B. Alaska) (Table 31), a decrease of 15% from 2012. This roughly matched the first wholesale value of Alaska's non-groundfish fisheries which totaled $2.38 billion (Table 30). Most of the non-groundfish product value comes from Pacific salmon whose value rose by 35% in 2013 as a result of the substantial increase in catch. The first wholesale value of halibut, which comes mostly from the Gulf of Alaska, has declined by 52% since 2008, the result of steady reduction in the TAC.

As with the ex-vessel market many species saw a drop in first wholesale value (Table 30). Prices were clearly a contributing factor as both at-sea and shoreside aggregate prices fell for pollock, Pacific cod, sablefish, as well as the flatfish aggregate (Table 26). Pollock roe and surimi made up 37% of total pollock first wholesale value, and between 2012 and 2013 prices for both fell by $0.97 and $0.42, respectively (Tables 25 and 29). Pollock fillet prices also fell, however, increases in production resulted in a net gain in first wholesale value. Pacific cod is primarily produced in to the 'head and gut' product form (particularly at-sea), for which 2013 prices fell $0.34 to $1. Pacific cod fillets are largely produced by the shoreside sector where both price and value increased by 1.6% and 18%, respectively. respectively. Most other species are primarily produced into a single product form which is typically 'head and gut'. Since 2009 aggregate prices have been rising, so the broad decrease across most species and products marks a reversal of this trend.

Many of the products produced from the commercial fisheries off Alaska are exported. Since 2004 exports of pollock originating from the state of Washington and Alaska have risen from 288 thousand t to 355 thousand t and value has risen from $743 million to $956 million (Table E.2). Pollock fillet and surimi accounted for 72.5% of the export value. Germany and South Korea were the primary markets from which export value came with $234 million and $228 million, respectively, while the export value of products going to China totaled $114 million in 2013 (Table E.2). Globally, pollock, Pacific cod and sablefish from Alaska accounted for 10% of the worlds 6.5 million t whitefish production in 2012 (Tables 25 and E.1). Alaska's first wholesale value from these three species was $2.1 billion relative to the world's total whitefish production value of $7.6 billion. Since 2009 Alaska's share of production in the whitefish market has increased from 8.5% to 10.4%, while relative value has increased from 23.6% to 27.5%. The higher rate of change in value relative to production indicates that Alaskan products are competitive in global markets.

NOAA fisheries collects only limited data on employment in the fisheries off Alaska. The most direct measure available is the number of 'crew weeks' on at-sea processing vessel. The data indicate that in 2013, the crew weeks totaled 99,683 with the majority of them (96,737) occurring in the BSAI groundfish fishery (Table 50). In 2013, the maximum monthly employment (16,246) occurred in March. Relative to 2012 annual crew weeks declined in 2013 by 5.6%, which comes after a similar decline of 10% from 2011. Statewide average monthly employment in fish processing (of

any species) was 10,600 in 2013, up slightly from previous years (Table E.3). Statewide average monthly employment in groundfish harvesting increased by 154 from 2011 to 1,252 in 2012 (the most recent data currently available) (Table E.4). Groundfish comprised 15% of the total fish harvesting employment in Alaska while halibut made up 12%.

1.1. Response to Comments from the Scientific and Statistical Committee (SSC)

Comments by the SSC are italicized.

The SSC received a presentation of the 2014 Economic Groundfish SAFE document from Ron Felthoven and Ben Fissel (NMFS-AFSC). There was no public testimony.

It is encouraging to see continued progress on extending and improving the Economic SAFE. The SSC appreciates the effort, demonstrated in this draft, to elevate the Economic SAFE to a level nearer to par with the Biological SAFE documents. The improvements seen in the past two to three years exhibit the AFSC's renewed commitment of staff and resources proportionate to the importance of these data in the Council's decision-making process.

There are numerous improved elements in this draft. The effective presentation of data and improved supporting text make the SAFE a valuable reference document in support of the Council's management process. The effort to enhance the informational content of the SAFE by supplementing the statistical data with indices, to identify and highlight apparent trends over a series of seasons is a good contribution. One noteworthy improvement is the enhanced utilization of accurate and consistent terminology. Nevertheless, improvement in accessibility through the use of accurate terminology understandable to the target audience is needed. Thorough proof-reading and editing are strongly recommended.

We appreciate your comments and continue to strive towards improved accessibility of this report. To this end, the terminology in the text is being revised and reviewed to be accurate. The editorial comments made by SSC members have been incorporated into this report.

The uneven treatment of material in the SAFE is likely a product of multiple contributing authors. Selection of a single editor, responsible for checking consistency and relevancy of commentary, could potentially solve this problem and would further strengthen the document. Additionally the SSC requests that the authors explicitly identify the species included in the "other" species category. The SSC further recommends that the authors elaborate on the interpretation of some of the descriptive statistics presented throughout the 2014 Economic Groundfish SAFE document. For instance, Section 6 of the document references multiple figures containing the percentage of quota harvested by all groundfish catch share programs, with little interpretation as to why quota was not fully utilized. If the goal of the Economic Groundfish SAFE is to summarize the status of the groundfish fisheries, the authors should be careful to interpret some of the trends presented in the document, especially to highlight some of the challenges that North Pacific groundfish programs currently face.

As the Economic Groundfish SAFE document evolves over time to include additional informational content, it is important that the document remains accessible and informative to an audience that is looking for an overview of the current status of the North Pacific groundfish fisheries. To this end, the SSC recommends that the authors include summary information that highlights some of the recent trends in the North Pacific groundfish fisheries and some of the challenges that groundfish programs currently face. The accessibility of the document would be greatly enhanced by opening

with an Executive Summary and Economic Report card, similar to the compilation of summary information and Ecosystem Indices that appears at the beginning of the Ecosystem Considerations Chapter of the Groundfish SAFE.

A list of the species included in the "Other" category for each table is being generated and will be included in the final draft of this Economics Status Report. The interpretation of trends and challenges is inherently subjective and the authors recognize the need to approach interpretation with caution to avoid speculation. We will continue to make efforts to include information on current trends and challenges. To this end, additional content has been added to the report in recent years such as the section on economic indices (as noted in these SSC comments). This year, Sections 1 and 2 of this report have been revised to help the reader identify critical changes in 2013. Section 1 is an executive summary that highlights critical information from 2013. Section 2 was previously an overview in which descriptions of the tables were mixed with information from 2013 status of the fisheries. Section 2 is now a description of the tables, information how the data was constructed and caveats in interpreting and understanding the data. By disentangling information on the current status of the fishery from the description of the data we hope that the audience can more easily access information on 2013 trends and changes highlighted by the authors.

In response to the standing request for additional suggestions for information that could be integrated into the SAFE, the SSC recommends that the authors consider the following for inclusion in future versions:

- *Use standard long-term forecasts of global economic conditions-like those used for business and investment forecasting-to project changes in the seafood consumer, supply or processing markets globally. For example, how big might the change in pollock demand in China be due to rising incomes? Might offshore processing become more expensive as a result of rising wages, and shifting locations? What will be the effect of long-term overfishing of flatfish in West Africa on the market for Alaska flatfish products?*

  Supplementary data tables have been added to provide the reader with perspective on the fisheries off Alaska in relation to other nations and the world. We hope to expand the information on global economic conditions as they relate to the fisheries off Alaska in future versions of this report.

- *Use standard short-term forecasts of global economic conditions to foresee changes in global market conditions that will affect prices.*

  The final version of this report will contain a section with price now-casts and probabilistic projections characterizing the range of prices for wholesale products. Future versions of this report will improve upon these forecasts by testing, and where warranted, incorporating external data into the forecast models.

- *Include retrospective information on where, broadly, Alaska fisheries benefits accrue, though tracking the communities in which their participants live. In particular, are harvesters, their crew, and the processing workers from Alaska, the Pacific Northwest, the U.S., or foreign countries?*

  Supplementary data tables have been included that provide information on fish harvesting and seafood processing employment in Alaska. Section 7, "Community Participation in North Pacific Groundfish Fisheries" was added to last year's report and will be updated as community level information becomes available. The distribution of Alaska fishing revenues is a topic

currently being analyzed by ESSRP researchers, which we hope to include in future versions of this report.

The SSC commends the authors on their efforts to identify users of the SAFE, how this diverse audience uses it, and what they would like to see in the future. The SAFE cannot be all things to all people, but understanding its value to various groups can determine the content and organization for future iterations. The SSC would like to see the addition of links to relevant publications and technical memos, especially on community research. In addition, the authors are encouraged to explore ways to improve the quality of the graphs and tables in the document and in the PowerPoint presentations to the Council. Larger fonts, more efficient figures with legends that can be read from the back of a large room, and a careful selection of representative figures rather than all of the graphs available will make for more powerful presentations. This Groundfish Economic SAFE represents a good advancement in documenting economic performance in these fisheries and the SSC requests an annual update of the Economic SAFE documents at future February SSC meetings.

Thank you for the comments and feedback provided by the SSC. This information helps us improve the quality and content in the document and is appreciated by the authors. We look forward to presenting the Economic SAFE documents at future meetings.

Alaska Fisheries Science Center,
Economic and Social Sciences Research Program

2. OVERVIEW OF ECONOMIC STATUS REPORT, 2013*

This report presents the economic status of groundfish fisheries off Alaska in terms of economic activity and outputs using estimates of catch, prohibited-species catch (PSC), ex-vessel prices and value (i.e., revenue), the size and level of activity of the groundfish fleet, and the weight and gross value of (i.e., F.O.B. Alaska revenue from) processed products. The catch, ex-vessel value, and fleet size and activity data are for the fishing industry activities that are reflected in Weekly/Daily Production Reports, Observer Reports, fish tickets, and the Commercial Operator's Annual Reports. All catch data reported for 1991-2002 are based on the blend estimates of total catch, which were used by the NMFS Alaska Regional Office (AKR) to monitor groundfish and PSC quotas in those years. Catch data for 2003-2013 come from the AKR's catch-accounting system (CAS), which replaces the "blend" as the primary tool for monitoring groundfish and PSC quotas. The data descriptions, qualifications, and limitations noted in the overview of the fisheries, market reports and the footnotes to the tables are critical to understanding the information in this report. This report updates last year's report (Fissel *et al.* 2013) and is intended to serve as a reference document for those involved in making decisions with respect to conservation, management, and use of GOA and BSAI fishery resources.

The footnotes for each table in this document indicate if the estimates provided in that table are only for the fisheries with catch that is counted against a federal Total Allowable Catch (TAC) quota (i.e., managed under a federal FMP) or if they also include other Alaska groundfish fisheries. The reader should keep in mind that the distinction between catch managed under a federal FMP and catch managed by the state of Alaska is not merely a geographical distinction between catch occurring outside the 3-mile limit (in the U.S. Exclusive Economic Zone, or EEZ) and catch occurring inside the 3-mile limit (Alaska state waters). The state of Alaska maintains authority over some rockfish fisheries in the EEZ of the GOA, for example, and federal FMPs often manage catch from inside state waters in addition to catch from the EEZ. It is not always possible, depending on the data source(s) from which a particular estimate is derived, to definitively identify a unit of catch (or the price, revenue or other measure associated with a unit of catch) as being part of a federal FMP or otherwise. For Catch-Accounting System data from the NMFS Alaska Regional Office (AKR), for example, distinguishing between the two categories is relatively easy, but the distinction is at best approximate for Alaska Department of Fish & Game (ADF&G) fish ticket data and essentially impossible for Commercial Operator's Annual Report (COAR) data. Finally, even for catch that can be positively identified as being part of a federal TAC, it is not always possible to identify what portion of that catch might have come from inside Alaska state waters and what portion came from the federal EEZ. Because of these multiple layers of ambiguity, there may be tables in which the reader should not construe phrases such as "groundfish fisheries off Alaska" or "Alaska groundfish", as used in this report, to precisely include or exclude any category of state or federally managed fishery or to refer to any specific geographic area. These and similar phrases may mean groundfish from both Alaska state waters and the federal EEZ off Alaska, or groundfish managed only under federal FMPs or managed by both NMFS and the state of Alaska. Again, refer to the notes for each table for a description of what is included in the estimates provided in that table.

The BSAI and GOA groundfish fisheries are widely considered to be among the best managed fisheries in the world. These fisheries produce high levels of catch, ex-vessel revenue, processed

product revenue, exports, employment, and other measures of economic activity while maintaining ecological sustainability of the fish stocks. However, the data required to estimate the success of these policies with respect to net benefits to either the participants in these fisheries or the Nation, such as cost or quota value (where applicable) data, are not available for nearly all the fisheries.

Finally, there is considerable uncertainty concerning the future conditions of stocks, the resulting quotas, and future changes to the fishery management regimes for the BSAI and GOA groundfish fisheries. The management tools used to allocate the catch between various user groups can significantly affect the economic health of either the domestic fishery as a whole or segments of the fishery. Changes in fishery management measures are expected as the result of continued concerns with: 1) the catch of prohibited species; 2) the discard and utilization of groundfish catch; 3) the effects of the groundfish fisheries on marine mammals and sea birds; 4) other effects of the groundfish fisheries on the ecosystem and habitat; and 5) the allocations of groundfish quotas among user groups.

Following the data tables is a section examining the economic performance in groundfish fisheries off Alaska through economic indices. Changes in value, price, and quantity, across species, product and gear types are represented in aggregate indices, allowing for a concise view of the relative performance across different sectors of the North Pacific fisheries.

Another component of this report is a set of market profiles for pollock, Pacific cod, sablefish, and flatfish (yellowfin and rock sole, and arrowtooth flounder). The goal of these profiles is to discuss and, where possible, explain the market trends observed in pricing, volume, supply, and demand for each of these groundfish species. Specifically, the market profiles provide information on the relatively recent trends in the prices and product choices for first wholesale production of a given species, and the volumes and prices of exports, as well as changes in the volume of exports to different trading partners. For example, some groundfish caught off Alaska have a large share of the world market and observed changes may be tied to changes in supply (TAC) of product from Alaska, while in other cases the share for that product may be relatively low and changes in the market could be driven by other countries' actions. Changes in consumer demand or the emergence of substitute products can also drive the market for a product or species. Thus, these reports discuss the way in which the particular species or product fits into the world market and how this fit is changing over time (e.g., the market share for the Alaska product may be growing or declining).

Fishery economists began discussing the potential for rent dissipation in fisheries managed with open-access catch policies long ago (Scott 1954, Gordon 1955). The North Pacific region has gradually moved away from such management, as discussed by Holland (2000), and instituted catch share programs in many of its fisheries. Six of the 15 catch-share programs currently in operation throughout the U.S. operate in the North Pacific, accounting for approximately 75% groundfish landings. By allocating the catch to individuals, cooperatives, communities, or other entities catch share programs are intended to promote sustainability and increase economic benefits. Research on North Pacific fisheries has examined some of these issues after program implementation, (e.g., Homans and Wilen 2005, Feltlhoven 2002, Wilen and Richardson 2008, Abbott et al. 2010,Fell and Haynie 2010, Fell and Haynie 2012, Torres and Felthoven 2014). A new section on catch share metrics provides a consistent set of metrics to evaluate the North Pacific catch share programs in various dimensions.

2.1. Description of the Economic Data Tables

2.1.1 Catch Data

Trawl, hook and line (including longline and jigs), and pot gear account for virtually all the catch in the BSAI and GOA groundfish fisheries. There are catcher vessels and catcher/processor vessels within each of these three gear groups. Table 2 presents catch data by area, gear, vessel type, and species. The catch data in Table 2 and the catch, PSC, and vessel information in the tables of the rest of this report are for the BSAI and GOA FMP fisheries unless otherwise indicated.

Target fisheries are defined by area, gear and target species. The target designations are used to estimate PSC, apportion PSC allowances by fishery, and monitor those allowances. The target fishery designations can also be used to provide estimates of catch and PSC data by fishery. The "blend" catch data are assigned to a target fishery by processor, week, area, and gear. The catch-accounting system (CAS), which replaced the blend as the primary source of catch data in 2003, assigns the target at the trip level rather than weekly, except for the small fraction of total catch (0-4% in different years) that comes from NMFS Weekly/Daily Production Reports (WPR). CDQ fishing activity is targeted separately from non-CDQ fishing. Generally, the species or species group that accounts for the largest proportion of the retained catch of the TAC species is considered the target species. One exception to the dominant retained-catch rule is that the target for the pelagic pollock fishery is assigned if 95% or more of the total catch is pollock. Tables 3 and 4 provide estimates of total catch by species, area, gear, and target fishery for the GOA and the BSAI, respectively. Beginning in 2011, Kamchatka flounder is broken out from other flatfish target species categories (in the BSAI only). As such, the "other flatfish", and/or arrowtooth flounder target categories may not directly comparable between 2011 and prior years in Tables 4 , 8, 10, 13, and 15; and the other flatfish species category is not comparable in Tables 4, 8, and 26.

Residents of Alaska and of other states, particularly Washington and Oregon, are active participants in the BSAI and GOA groundfish fisheries. Catch data by residency of vessel owners are presented in Table 5. These data were extracted from the NMFS blend and catch accounting system catch databases and from the State of Alaska groundfish fish ticket database and vessel-registration file, which includes the stated residency of each vessel owner. For the domestic groundfish fishery as a whole, 83% of the 2013 catch volume was made by vessels with owners who indicated that they were not residents of Alaska. The catches of the two vessel-residence groups were much closer to being equal in the GOA. Note that in 2010 we changed the method by which we produced Table 5. Since the Alaska Region's CAS data (unlike the earlier Blend data) now include catcher-vessel IDs for all processing sectors, and information on vessel-owner residency is readily available from both NMFS and the state of Alaska, we can obtain direct estimates of groundfish catch by owner residence. Previously, we had estimated the amount of catch by residency for the shoreside sector by prorating CAS estimates based on the fraction of catch by residency obtained from shoreside fish-ticket data, which have always included catcher-vessel IDs.

2.1.2 Groundfish Discards and Discard Rates

The discards of groundfish in the groundfish fishery have received increased attention in recent years by NMFS, the Council, Congress, and the public at large. Table 6 presents the catch-accounting system estimates of discarded groundfish catch and discard rates by gear, area, and species for

years 2009-2013. The discard rate is the percent of total catch that is discarded. These are the best available estimates of discards and are used for several management purposes. However, they should be viewed as "noisy" estimates. The groundfish TACs are established and monitored in terms of total catch, which is both retained catch and discarded catch. The catch-composition sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch. Observers on vessels sample randomly chosen catches for species composition. For each sampled haul, they also make a visual approximation of the weight of the non-prohibited species in their samples that are being retained by the vessel. This is expressed as the percent of that species that is retained. Approximating this percentage is difficult because discards can occur in a variety of ways such as fish falling off of processing conveyor belts, dumping of large portions of nets before bringing them on-board the vessel, dumping fish from the decks, size sorting by crewmen, and quality-control discards. For the most common species (e.g. pollock and cod) retention requirement help to mitigate this error and approximations are likely to be fairly accurate. Because the discard estimates are derived by expanding these approximations from sampled hauls to the remainder of the catch they should be considered noisy for the purposes of analysis.

Tables 7, 8, 9 and 10, respectively, provide estimates of discarded catch and discard rates by species, area, gear, and target fishery. Within each area or gear type, there are substantial differences in discard rates among target fisheries. Similarly, within a target fishery, there are often substantial differences in discard rates by species. Typically, in each target fishery the discard rates are very high except for the target species. The regulatory exceptions to the prohibition on pollock and Pacific cod discards explain, in part, why there are still high discard rates for these two species in some fisheries.

2.1.3 Prohibited-Species Catch

The catch of Pacific halibut, king and tanner crab (*Chionoecetes*, *Lithodes* and *Paralithodes spp.*), Pacific salmon (*Oncorhynchus spp.*), and Pacific herring (*Clupea pallasi*) in Alaska groundfish fisheries has been a central management issue for roughly thirty years. The retention of these species was prohibited first in the foreign groundfish fisheries to ensure that groundfish fishermen had no incentive to target these species. Estimates of the catch of these "prohibited species" for 2009-2013 are summarized by area and gear in Table 11. More detailed estimates of prohibited species catch (PSC) and of PSC rates for 2012 and 2013 are in Tables 12-15. The estimates for halibut are in terms of PSC mortality because the PSC limits for halibut are set and monitored using estimated discard mortality rates. The estimates for the other prohibited species are of total PSC; this is in part due to the lack of well-established discard mortality rates for these species. The discard mortality rates probably approach 100% for salmon and herring in the groundfish fishery as a whole; the discard mortality rates for crab, however, may be lower.

The at-sea observer program was developed for the foreign fleets and then extended to the domestic fishery. The observer program, managed by the Fisheries Monitoring and Analysis Division (FMA) of the Alaska Fisheries Science Center, resulted in fundamental changes in the nature of the PSC problem. First, by providing good estimates of total groundfish catch and non-groundfish PSC by species, it eliminated much of the concern that total fishing mortality was being vastly underestimated due to fish that were discarded at sea. Second, it made it possible to establish, monitor, and enforce the groundfish quotas in terms of total catch as opposed to only retained catch.

Third, it made it possible to implement and enforce PSC quotas for the non-groundfish species that by regulation had to be discarded at sea. Finally, it provided extensive information that managers and the industry could use to assess methods to reduce PSC and PSC mortality. In summary, the observer program provided fishery managers with the information and tools necessary to prevent PSC from adversely affecting the stocks of the PSC species. An example of how this program is being used is the Bering Sea pollock fishery, became completely observed in 2011. As a result salmon PSC estimates in the Bering Sea are a census rather than a sample and since 2011, there has been a fixed "hard cap" in the fishery. The information from the observer program helps identify the types of information and management measures that are required to reduce PSC to the extent practicable, as is required by the Magnuson-Stevens Fishery Conservation and Management Act (MSA).

2.1.4 Ex-Vessel Prices and Value

Table 18 contains the estimated ex-vessel prices that were used with estimates of retained catch to calculate ex-vessel values (gross revenues). The estimates of ex-vessel value by area, gear, type of vessel, and species are in Table 19. Notice that the estimates of ex-vessel prices and value for trawl-caught GOA rockfish in this year's report are no longer based on fractions of processed-product prices and value as in the past (refer to the footnote to Table 18). Since 2000 at least 20% of all rockfish retained landings in Alaska were caught by trawl gear in the GOA and delivered to shoreside processors; this means that we have adequate data on these shoreside landings to estimate ex-vessel prices (and thus values) directly.

Tables 20 and 21 summarize the ex-vessel value of catch delivered to shoreside processors by vessel-size class, gear, and area. Table 20 gives the total ex-vessel value in each category and Table 21 gives the ex-vessel value per vessel. Table 22 provides estimates of ex-vessel value by residency of vessel owners, area, and species. For the BSAI and GOA combined, 77.8% of the 2013 ex-vessel value was accounted for by vessels with owners who indicated that they were not residents of Alaska. Note that, as with Table 5, we have revised the method for producing Table 22 to use information on catcher-vessel IDs in catch-accounting system data to better determine the residency of participants in the fisheries.

Table 23 presents estimates of ex-vessel value of catch delivered to shoreside processors, and Table 24 gives the ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors.[1] The data in both tables, which include both state and federally managed groundfish, are reported by processor group, which is a classification of shoreside processors based primarily on their geographical locations. The processor groups are described in the footnote to the tables.

This 2014 version of the Economic Status Report presents an additional set of tables in an appendix: Tables 16.B-24.B. These tables present ex-vessel prices and value utilizing prices derived from ADF&G fish tickets priced by the Alaska Commercial Fisheries Entry Commission (CFEC). This provides an alternative source of ex-vessel prices to the Commercial Operator Annual Report (COAR) purchasing data that has historically been used to assemble Tables 16-24. CFEC fish ticket prices reflect individual transactions reported on shoreside and mothership landing reports, adjusted by analysts with consideration to COAR buying data, and therefore may be subject to additional scrutiny. Work is ongoing to analyze and characterize differences between the two pricing methods,

[1] This including catch in non-Federal fisheries. See table notes for details.

and we are working with industry to get their perspective on which source may best reflect the pricing conditions faced by their companies. Until we have finalized this analysis we will retain the COAR pricing in the main body of the status report (Section 4: Tables 16-24) and include the CFEC pricing in the appendix. Note that Tables 16.B-24.B are valid only for the years after 2003.

2.1.5 First Wholesale Production, Prices and Value

Estimates of first wholesale weight and value (gross revenue) of the processed products made with BSAI and GOA groundfish catch are presented by species, product form, area, and type of processor in Tables 25, 28 and 29. Product price-per-pound estimates are presented in Table 26, and estimates of total product value per round metric ton of retained catch (first wholesale prices) are reported in Table 27.

Table 30 reports estimates of the weight and first wholesale value of processed products from catch in the non-groundfish commercial fisheries of Alaska, which enables comparison with the groundfish first wholesale value estimates reported in Table 25. The total first wholesale value of just the pollock and Pacific cod groundfish fisheries typically exceeds that of all non-groundfish fisheries combined. We present Table 30 to provide a further means, besides the ex-vessel value estimates reported in Table 16, of comparing the groundfish and non-groundfish fisheries.

Gross product value (F.O.B. Alaska) data, through primary processing, are summarized by category of processor and by area in Table 31, and by catcher/processor category, size class and area in Table 32. Table 33 reports gross product value per vessel, categorized in the same way as Table 32. Tables 34 and 35 present gross product value of groundfish processed by shoreside processors and the groundfish gross product value as a percentage of all-species gross product value, with both tables broken down by processor group. The processor groups are the same as in Tables 23 and 24 and no distinction is made between groundfish catch from the state and federally managed groundfish fisheries.

2.1.6 Counts and Average Revenue of Vessels That Meet a Revenue Threshold

For the purposes of Regulatory Flexibility Act analyses, a business involved in fish harvesting is defined by the Small Business Administration (SBA) as a small business if it is independently owned and operated and is not dominant in its field of operation (including its affiliated operations worldwide). Historically, the SBA defined small business entities in the finfish fishing and shellfish fishing industries as entities that had combined annual receipts of no greater than $4 million across all revenue sources. In June 2013, the SBA revised the small entity size standard for the finfish fishing industry (NAICS code 114111) from $4 million to $19 million; the small entity size standard for shellfish fishing (NAICS code 114112) was adjusted to $5 million.

Reporting in Tables 36 - 39b, which presents counts and average revenues of entities meeting small and large entity thresholds, has been revised in the current version of this report to reflect the 2013 adjustments to the SBA small entity size standards and additional interpretive guidance provided by staff of the NMFS Alaska Regional Office. To determine whether an entity is subject to the finfish or shellfish standard, we use a "preponderance of gross receipts" rule: the standard applied to an entity corresponds to the fishing activity from which it derived the greater amount of revenue in the given year. Entities are classified as large or small for a given year using their average annual gross

revenues over the three most recent three years, inclusive. Beginning with the current reporting of 2013 data, which draws on more complete accounting of groundfish bycatch in directed halibut fisheries, we include vessels targeting halibut among the entities reported in Tables 36 - 39b. Due to these changes from pre-2013 reporting methods, Tables 36 - 39b now show data only for 2013 and forward.

Though we do not have all the information necessary to determine if a vessel is independently owned and operated and has gross earnings in excess of the relevant small entity size threshold, it is possible to identify vessels that clearly are not small entities by using estimates of revenue from catch or processing of Alaska groundfish and other species.

Estimates of both the numbers of fishing vessels that clearly are not small entities and the numbers of fishing vessels that may be small entities are presented in Tables 36 and 37a, respectively. Estimates of the average, three-year averaged annual revenue per vessel (i.e., revenue averaged over the three most recent years by vessel, then averaged over all vessels by year) for the vessels in Tables 36 and 37a, respectively, are presented in Tables 38 and 39a. Data on ex-vessel revenue from federal West Coast fisheries, including the imputed ex-vessel value of the at-sea whiting fishery, have been incorporated into estimates of vessel revenue in all tables. These tables treat vessels as proxies for entities, in that revenue and entity size are determined for each vessel individually without regard to affiliation.

An alternative set of tables, Tables 37b and 39b, show small entity counts and average, three-year-averaged annual revenues per entity taking into account known affiliations among vessels. These tables utilize information on cooperative affiliations in the AFA pollock, Amendment 80 non-pollock trawl, Central Gulf of Alaska rockfish, Bering Sea & Aleutians Islands crab, and freezer longliner BSAI Pacific cod fisheries, in addition to known corporate affiliations among vessels. Group revenue for these affiliations is calculated as the total revenue across all member vessels; group revenue averaged over the most recent three-year period is used to determine small or large entity status for affiliations. Entity size for all affiliations is determined with respect to the finfish small entity standard, with the exception of crab cooperatives, which are subject to the shellfish standard.

2.1.7 Effort (Fleet Size, Weeks of Fishing, Crew Weeks)

Estimates of the numbers and registered net tonnage of vessels in the groundfish fisheries are presented by area and gear in Table 40, and estimates of the numbers of vessels that landed groundfish are depicted in Fig. 6 by gear type. More detailed information on the BSAI and GOA groundfish vessels by type of vessel, vessel size class, catch amount classes, and residency of vessel owners is in Tables 41-46. In particular, Table 43 gives detailed estimates of the numbers of smaller (less than 60 feet) hook-and-line catcher vessels.

Estimates of the number of vessels by month, gear, and area are in Table 47. Table 48 provides estimates of the number of catcher vessel weeks by size class, area, gear, and target fishery. Table 49 contains similar information for catcher/processor vessels.

Weekly/Daily Production Reports include employment data for at-sea processors but not inshore processors. These employment data measure 'crew weeks' and are summarized in Table 50 by month and area. Crew weeks are defined as the number of crew aboard each vessel in a week summed over the entire year.

2.1.8 Additional Notes

- Confidential values are excluded from the computation of aggregates (e.g. sums and averages) within a table. This is particularly important to remember for highly stratified tables, such as Tables 19, 20, 25 and 26. Care should be taken when comparing totals from tables containing values suppressed for confidentiality. In general, preference should be given to aggregate numbers from less stratified tables.
- Within the data tables, numbers that are smaller than the level of precision used within the table are printed as '0'. For example, if a table uses the one decimal place level of precision, then an actual value of '0.01' is presented in the table as '0'.
- The Producer Price Index (PPI) for unprocessed and packaged fish was to deflate the ex-vessel and first wholesale value estimates reported in Tables 16 and 30, respectively. The PPIs are available from the Bureau of Labor Statistics at: `http://data.bls.gov/cgi-bin/srgate`, using the series ID 'WPU0223'.
- Estimates of U.S. imports and per-capita consumption of various fisheries products, previously published in Table 54-56 of this report, are available in Fisheries of the United States (FUS), published annually by the NMFS Office of Science & Technology. The 2013 FUS is available at: `http://www.st.nmfs.noaa.gov/Assets/commercial/fus/fus12/index.html`.
- Annual and monthly U.S. economic indicators (producer and consumer price indices), published in past years in Tables 57 and 58 are available from the U.S. Department of Labor Statistics at: `http://www.bls.gov/data/sa.htm`.
- Foreign exchange rates, which we've previously published in Tables 59 and 60, are available from the U.S. Federal Reserve Board (for all currencies except the Icelandic kronur) at: `www.federalreserve.gov`. Exchange rates for Iceland's kronur are available at: `www.oanda.com`.
- The information provided by the FMA division of the AFSC has had a key role in the monitoring of total allowable catches (TACs), catch of prohibited species. In recent years, observer data for individual vessel accounting has been important in the management of the CDQ program, AFA pollock, BSAI crab, Amendment 80 fisheries, as well as others. In addition, much of the information that is used to assess the status of groundfish stocks, to monitor the interactions between the groundfish fishery and marine mammals and sea birds, and to analyze fishery management actions is provided by the FMA.
- Observes coverage costs: In previous years, Table 51 provided estimates of the numbers of vessels and plants with observers, the numbers of observer-deployment days, and observer costs by year and type of operation. In 2013, the restructured observer program was implemented and more detailed treatment of observer cost estimates can be found in the analysis of the restructuring at: `http://alaskafisheries.noaa.gov/analyses/observer/amd86_amd76_eariririfa0311.pdf`.

2.2. Request for Feedback

The estimates in this report are intended both to provide information that can be used to describe the Alaska groundfish fisheries and to provide the industry and others an opportunity to comment

on the validity of these estimates. We hope that the industry and others will identify any data or estimates in this report that can be improved and provide the information and methods necessary to improve them for both past and future years. There are two reasons why it is important that such improvements be made. First, with better estimates, the report will be more successful in monitoring the economic performance of the fisheries and in identifying changes in economic performance that may be attributable to regulatory actions. Second, the estimates in this report often will be used as the basis for estimating the effects of proposed fishery management actions. Therefore, improved estimates in this report will allow more informed decisions by those involved in managing and conducting the Alaska groundfish fisheries. The industry and other stakeholders in these fisheries can further improve the usefulness of this report by suggesting other measures of economic performance that should be included in the report, or other ways of summarizing the data that are the basis for this report, and participating in voluntary survey efforts NMFS may undertake in the future to improve existing data shortages. An online survey to facilitate user feedback is available at: `http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE_survey.php`.

2.3. Citations

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2.4. Acknowledgements

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3. FIGURES REPORTING ECONOMIC DATA OF THE GROUNDFISH FISHERIES OFF ALASKA

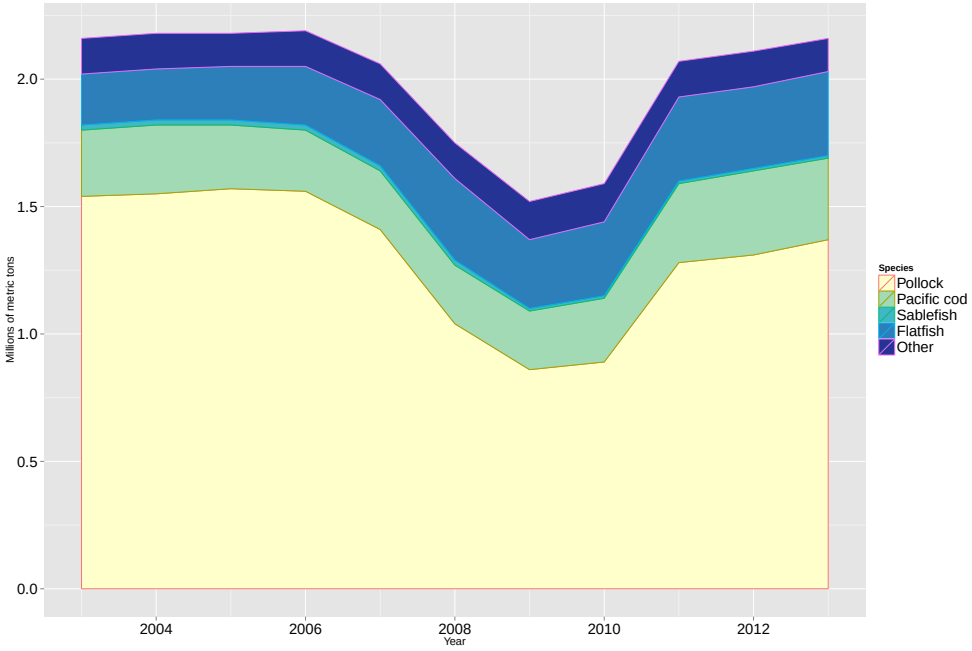

Figure 1: Groundfish catch in the commercial fisheries off Alaska by species, 2003-2013

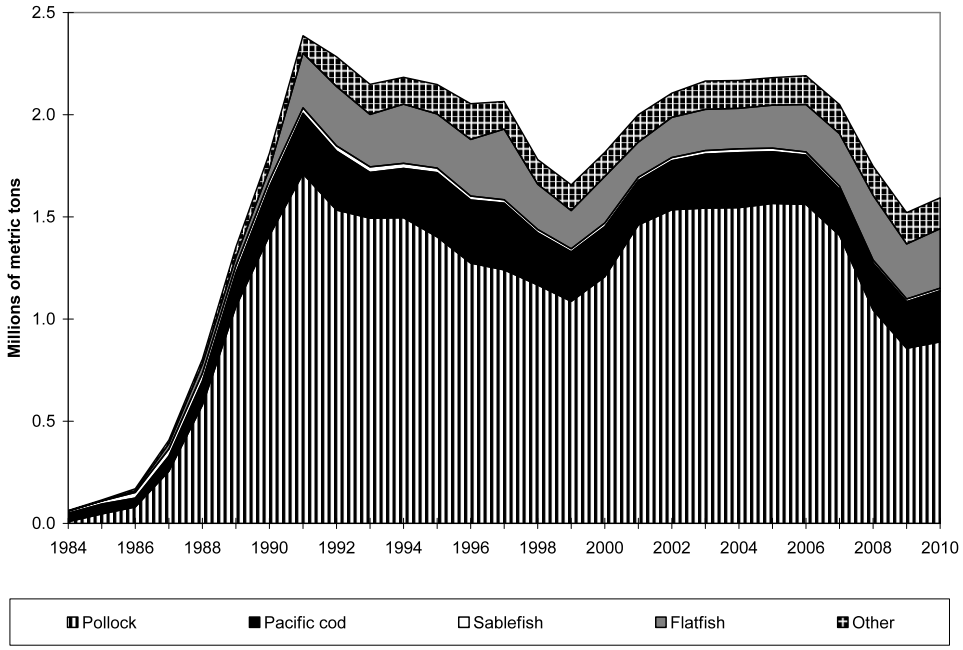

Figure 2: Groundfish catch in the domestic commercial fisheries off Alaska by species, (1984-2010)

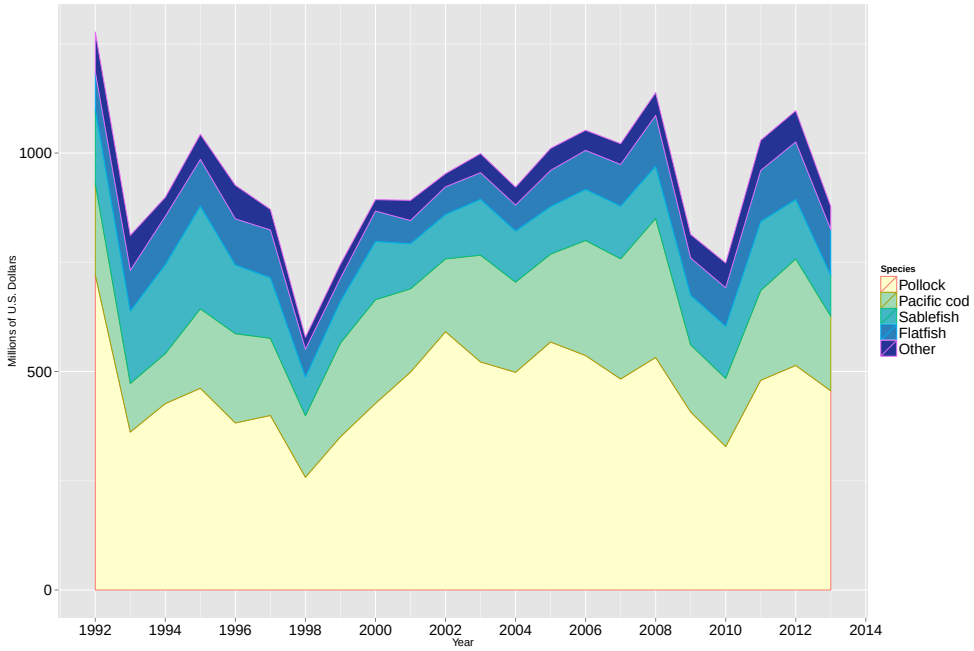

Figure 3: Real ex-vessel value of the groundfish catch in the domestic commercial fisheries off Alaska by species, 1992-2013 (base year = 2013)

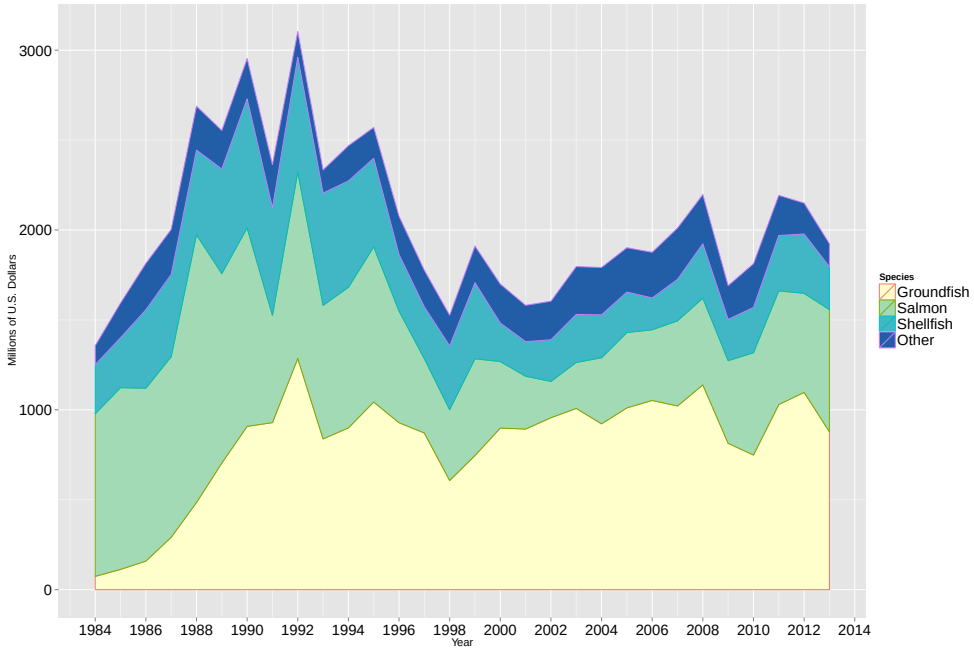

Figure 4: Real ex-vessel value of the domestic fish and shellfish catch off Alaska by species group, 1984-2013 (base year = 2013)

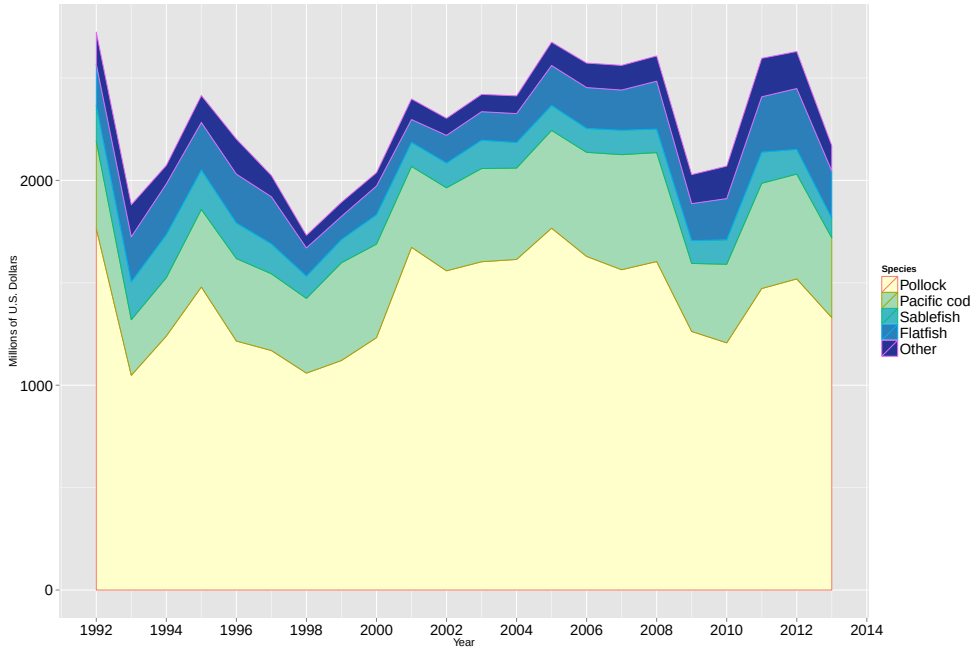

Figure 5: Real gross product value of the groundfish catch off Alaska by species, 1992-2013 (base year = 2013)

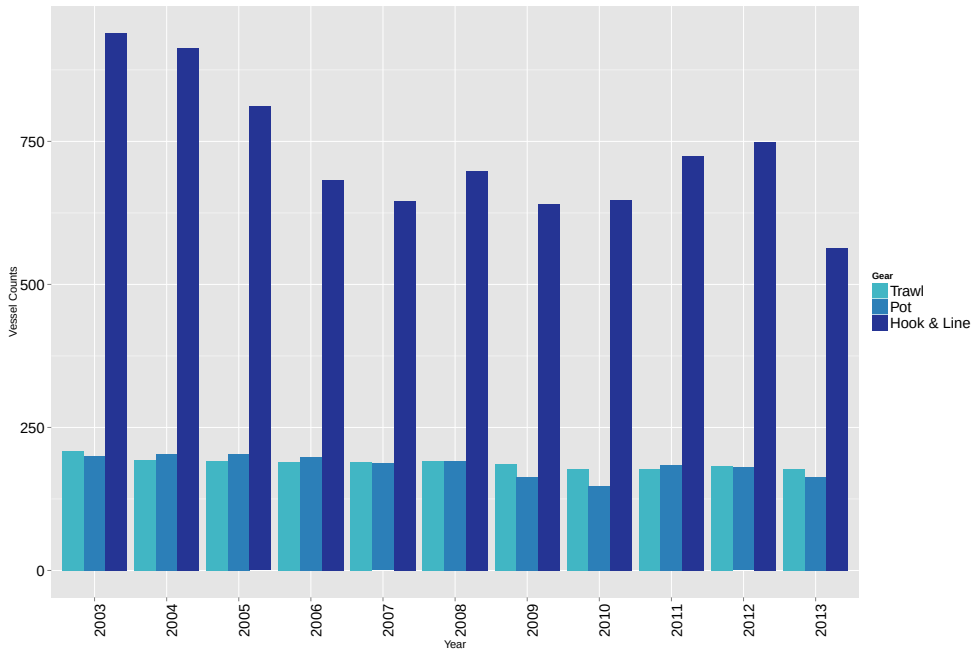

Figure 6: Number of vessels in the domestic fishery off Alaska by gear type, 2003-2013

4. TABLES REPORTING ECONOMIC DATA OF THE GROUNDFISH FISHERIES OFF ALASKA

Table 1: Groundfish catch in the commercial fisheries of Alaska by area and species, 2004-2013 (1,000 metric tons, round weight).

	Year	Pollock	Sablefish	Pacific Cod	Flatfish	Rockfish	Atka Mackerel	Total
Gulf of Alaska	2004	63.8	16.8	56.6	23.4	22.3	0.8	188.5
	2005	81.0	15.0	47.6	30.0	20.6	0.8	200.3
	2006	72.0	14.7	47.9	42.3	24.5	0.9	210.4
	2007	52.7	14.9	52.4	40.5	23.6	1.5	192.8
	2008	52.6	13.8	59.0	45.7	23.1	2.1	202.9
	2009	44.2	12.0	53.2	42.3	22.8	2.2	185.7
	2010	76.7	10.9	78.3	37.7	25.5	2.4	238.8
	2011	81.4	12.0	85.2	41.0	23.1	1.6	251.6
	2012	104.0	12.7	78.0	29.5	27.4	1.2	258.9
	2013	96.4	12.8	68.6	33.9	24.9	1.3	250.1
Bering Sea & Aleutian Islands	2004	1,481.7	2.0	212.6	174.7	17.7	60.6	1,979.8
	2005	1,484.6	2.6	205.6	180.5	15.1	62.0	1,981.1
	2006	1,489.8	2.2	193.0	189.5	17.7	61.9	1,982.6
	2007	1,357.0	2.5	174.5	216.3	23.6	58.7	1,860.6
	2008	991.9	2.0	171.3	270.0	21.7	58.1	1,546.0
	2009	812.5	2.0	175.8	226.3	19.5	72.8	1,337.1
	2010	811.7	1.8	171.9	253.4	23.5	68.6	1,354.7
	2011	1,200.4	1.7	220.1	286.0	28.2	51.8	1,817.9
	2012	1,206.3	1.9	250.9	291.4	28.1	47.8	1,858.0
	2013	1,273.8	1.7	250.3	297.2	35.0	23.2	1,914.6
All Alaska	2004	1,545.6	18.8	269.2	198.1	40.0	61.4	2,168.3
	2005	1,565.6	17.6	253.2	210.5	35.7	62.8	2,181.4
	2006	1,561.8	16.9	240.9	231.8	42.2	62.8	2,193.0
	2007	1,409.7	17.4	226.9	256.8	47.2	60.2	2,053.4
	2008	1,044.5	15.8	230.3	315.7	44.8	60.2	1,748.9
	2009	856.8	14.1	229.0	268.6	42.3	75.0	1,522.8
	2010	888.4	12.8	250.2	291.1	49.0	71.1	1,593.5
	2011	1,281.8	13.7	305.4	327.0	51.3	53.4	2,069.5
	2012	1,310.2	14.6	328.9	320.9	55.5	49.0	2,116.9
	2013	1,370.1	14.5	318.9	331.1	59.9	24.5	2,164.7

Notes: These estimates include catch from both federal and state of Alaska fisheries.

Source: National Marine Fisheries Service, Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)).

Table 1A: Catch of species other than groundfish in the domestic commercial fisheries, 1999-2013 (1,000 metric tons).

Year	Crab	Other Shellfish	Salmon	Halibut	Herring	Total
1999	93.5	4.1	363.6	34.4	38.7	534.3
2000	23.8	3.3	275.2	32.5	30.8	365.6
2001	21.4	2.8	311.3	33.7	38.4	407.8
2002	26.3	3.8	237.3	35.4	31.7	334.3
2003	25.8	2.5	286.0	34.8	31.3	380.4
2004	23.9	3.6	316.6	34.7	32.2	410.9
2005	25.9	2.9	395.7	33.5	38.9	496.9
2006	31.4	2.5	287.8	31.4	36.2	389.2
2007	32.1	2.1	390.7	30.5	30.5	485.8
2008	45.1	2.3	290.4	29.3	38.2	405.4
2009	40.6	2.0	304.6	26.2	39.4	412.8
2010	36.1	1.9	343.3	24.9	49.2	455.4
2011	36.5	1.5	334.8	18.7	44.7	436.3
2012	50.8	1.8	277.6	14.7	34.0	378.9
2013	39.5	1.7	459.3	13.0	38.6	552.2

Notes: These estimates include catch from both federal and state of Alaska fisheries

Source: National Marine Fisheries Service, Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)).

Table 2: Groundfish catch off Alaska by area, vessel type, gear and species, 2009-2013 (1,000 metric tons, round weight).

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total
Hook & Line	Sablefish	2009	9	1	10	1	1	1	10	2	11
		2010	9	1	9	1	1	1	9	1	10
		2011	9	1	10	1	0	1	10	1	11
		2012	10	1	11	1	0	1	11	1	12
		2013	10	1	11	1	0	1	11	1	12
	Pacific Cod	2009	9	6	14	1	101	102	9	107	116
		2010	9	8	17	1	89	90	9	97	107
		2011	9	8	17	1	118	119	10	126	136
		2012	11	5	15	1	131	132	11	136	147
		2013	10	3	13	2	125	127	12	128	140
	Flatfish	2009	0	0	0	0	4	4	0	4	4
		2010	0	0	0	0	4	5	0	5	5
		2011	0	0	0	0	4	4	0	4	5
		2012	0	0	0	0	5	5	0	5	5
		2013	0	0	1	0	3	3	1	3	4
	Rockfish	2009	1	0	1	0	0	0	1	1	2
		2010	1	0	1	0	1	1	1	1	2
		2011	1	0	1	0	0	0	1	0	1
		2012	1	0	1	0	0	0	1	0	2
		2013	2	0	2	0	0	0	2	1	3
	All Groundfish	2009	23	7	31	1	125	126	25	133	157
		2010	21	11	31	2	112	113	22	122	145
		2011	22	10	32	2	146	148	24	156	180
		2012	24	6	31	2	162	164	26	168	194
		2013	30	5	34	3	156	159	33	160	193

Continued on next page.

Table 2: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total
Pot	Pacific Cod	2009	12	*	12	11	4	14	23	4	26
		2010	20	-	20	17	3	20	37	3	40
		2011	29	*	29	25	3	28	54	3	57
		2012	21	*	21	23	5	29	45	5	50
		2013	17	-	17	23	7	30	40	7	47
Trawl	Pollock	2009	41	2	43	435	373	808	476	375	851
		2010	73	1	75	424	383	807	498	384	882
		2011	78	2	80	633	562	1,195	710	564	1,275
		2012	100	2	101	635	567	1,201	734	568	1,303
		2013	91	2	94	664	605	1,269	755	608	1,362
	Sablefish	2009	0	0	1	0	0	0	0	1	1
		2010	0	0	1	0	0	0	0	1	1
		2011	1	1	1	0	0	0	1	1	1
		2012	0	0	1	0	0	0	0	1	1
		2013	0	0	1	0	0	0	0	1	1
	Pacific Cod	2009	12	2	14	30	27	57	42	29	71
		2010	20	1	22	28	30	58	49	31	80
		2011	15	1	16	40	33	73	55	35	90
		2012	19	1	20	48	37	85	67	39	105
		2013	20	2	22	44	45	89	64	47	110
	Flatfish	2009	27	15	42	10	212	222	37	227	264
		2010	23	15	37	4	244	249	27	259	286
		2011	23	18	41	10	272	281	33	289	322
		2012	17	12	29	14	272	286	31	284	315
		2013	20	13	33	18	276	293	38	289	327

Continued on next page.

Table 2: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Trawl	Rockfish	2009	8	14	21	1	18	19	9	31	40
		2010	9	15	24	1	21	23	11	36	47
		2011	9	13	22	2	26	28	11	39	50
		2012	11	15	26	2	25	28	13	40	54
		2013	10	13	23	2	32	35	12	45	57
	Atka Mackerel	2009	0	2	2	3	69	73	3	72	75
		2010	0	2	2	4	65	69	4	67	71
		2011	0	2	2	5	46	52	5	48	53
		2012	0	1	1	5	43	48	5	44	49
		2013	0	1	1	2	21	23	2	23	24
	All Groundfish	2009	91	36	127	483	710	1,193	574	746	1,320
		2010	130	35	165	464	753	1,216	593	788	1,381
		2011	128	37	164	691	949	1,640	819	985	1,805
		2012	149	32	181	706	954	1,660	855	986	1,841
		2013	144	33	177	731	989	1,720	875	1,022	1,897
All Gear	All Groundfish	2009	127	43	170	496	839	1,335	623	882	1,505
		2010	171	46	217	483	868	1,350	653	913	1,567
		2011	180	47	227	719	1,098	1,818	899	1,145	2,044
		2012	196	38	234	731	1,121	1,852	927	1,159	2,086
		2013	191	38	229	758	1,152	1,910	949	1,189	2,139

Notes: The estimates are of total catch (i.e., retained and discarded catch). All groundfish include additional species categories. These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Source: NMFS Alaska Region Catch Accounting System estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 3: Gulf of Alaska groundfish catch by species, gear, and target fishery, 2012-2013 (1,000 metric tons, round weight).

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
2012	Hook & Line	Pollock, Bottom	*	-	-	-	-	-	-	-	-	-	*
		Sablefish	0	10.3	0	0.2	0	-	0	0	1.0	-	12.1
		Pacific Cod	0.2	0	14.9	0	0	-	*	0	0	*	16.8
		Rockfish	-	-	0	-	-	-	-	-	0.1	-	0.1
		All Targets	0.2	11.1	15.2	0.2	0	-	0	0	1.4	*	30.6
	Pot	Sablefish	-	-	*	-	-	-	-	-	-	-	*
		Pacific Cod	0	0	21.2	0	*	-	0	0	0	0	21.9
		All Targets	0	0	21.2	0	*	-	0	0	0	0	21.9
	Trawl	Pollock, Bottom	13.4	0	0.9	0.9	0.1	0	0	0.1	0.1	*	15.8
		Pollock, Pelagic	83.6	0	0.3	0.5	0	0	*	0	0.3	0	84.8
		Sablefish	0	0.2	*	0	*	0	0	0	0.1	-	0.3
		Pacific Cod	1.5	0	16.2	0.8	0.2	0.1	0	0.8	0.1	0	20.2
		Arrowtooth	1.0	0.2	0.9	14.3	0.9	1.2	0.1	0.4	1.1	0	21.2
		Flathead Sole	0.2	0	0.1	0.8	0.4	0.2	0	0.2	0	-	2.1
		Rex Sole	0.2	0	0.2	1.0	0.2	0.8	0.1	0.1	0.1	*	3.0
		Flatfish, Shallow	0.7	0	1.0	1.3	0.2	0	0	2.4	0	*	6.3
		Rockfish	0.6	0.5	0.4	0.8	0	0.1	0.1	0.1	24.0	1.2	27.7
		All Targets	101.2	0.9	20.2	20.3	2.2	2.4	0.3	4.0	25.8	1.2	181.4

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Table 3: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
2013	Hook & Line	Pollock, Bottom	*	-	*	-	-	-	-	-	-	-	*
		Sablefish	0	10.2	0.1	0.3	0	0	0	0	1.5	-	13.8
		Pacific Cod	0.1	0	11.3	0.1	0	-	*	0	0	*	13.4
		Rockfish	-	*	0	-	-	-	-	-	0.2	-	0.2
		All Targets	0.1	11.1	13.5	0.5	0	0	0	0	2.1	0	34.3
	Pot	Pacific Cod	0	0	17.0	0	0	*	0	0	0	0	17.5
		All Targets	0	0	17.0	0	0	*	0	0	0	0	17.5
	Trawl	Pollock, Bottom	13.1	0	0.8	1.5	0.3	0.1	0	0.2	0.3	0	16.8
		Pollock, Pelagic	75.7	0	0.2	0.3	0.1	0	*	0	0.1	-	76.7
		Sablefish	0	0.2	0	0.1	0	0	0	0	0.1	0	0.5
		Pacific Cod	0.7	0	16.1	1.3	0.4	0.1	0	1.0	0.2	0	20.2
		Arrowtooth	1.4	0.1	1.0	14.2	0.9	1.3	0	0.3	0.9	0	21.6
		Flathead Sole	0.1	0	0.1	1.0	0.5	0.1	*	0	0.1	*	1.9
		Rex Sole	0.1	0	0.2	1.0	0.2	1.8	0	0	0.8	*	4.4
		Flatfish, Shallow	1.6	0	2.6	0.9	0.4	0.1	0	3.9	0	*	10.4
		Rockfish	0.8	0.5	0.6	0.8	0	0.1	0	0	20.1	1.2	24.3
		All Targets	93.6	0.8	21.7	21.1	2.8	3.7	0.2	5.5	22.6	1.2	176.7
	All Gear	All Targets	93.7	11.9	52.1	21.6	2.8	3.7	0.2	5.5	24.7	1.2	228.5

Notes: Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4: Bering Sea and Aleutian Islands groundfish catch by species, gear, and target fishery, 2012-2013, (1,000 metric tons, round weight).

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Yellowfin	Flat Other	Rockfish	Atka Mackerel	All Species
2012	Hook & Line	Sablefish	*	1.0	0	0	0	-	-	-	0	0.1	*	1.3
		Pacific Cod	4.8	0	131.6	1.0	0.1	0.3	0	1.0	0.1	0.1	0	159.0
		Kamchatka Flounder	-	*	-	-	*	*	-	-	-	*	-	*
		Turbot	0	0	0.1	0.3	0.2	0	-	-	0	0.1	-	3.0
		Rockfish	-	*	*	*	*	*	-	-	*	*	-	*
		All Targets	4.8	1.2	131.8	1.3	0.4	0.3	0	1.0	0.1	0.3	0	163.6
	Pot	Sablefish	*	*	*	*	*	*	-	-	*	*	-	*
		Pacific Cod	0	-	28.7	0	0	0	0	0	0	0	0	29.0
		All Targets	0	*	28.7	0	0	0	0	0	0	0	0	29.0
	Trawl	Pollock, Bottom	107.3	0	3.9	0.3	0	1.6	3.9	0.9	0.2	0.5	0.2	119.8
		Pollock, Pelagic	1,069.4	*	6.2	0.5	0	2.3	2.9	0.6	0.3	0.3	0.1	1,084.4
		Pacific Cod	3.6	*	43.7	0.2	0	0.2	1.4	0.8	0.3	0.1	0.4	51.3
		Arrowtooth	0.7	0.1	0.2	15.6	2.1	0.6	0	0	0.3	0.3	0.1	21.3
		Kamchatka Flounder	0.1	0.1	0	1.6	5.9	*	0	0	0	0.2	0.5	10.0
		Flathead Sole	0.9	*	0.4	0.4	0.1	3.3	0.6	0.1	0.2	0.1	-	6.2
		Rock Sole	6.8	-	9.8	0.1	0	0.8	58.2	9.6	2.8	0	*	89.6
		Yellowfin	11.2	-	19.2	1.0	0.1	2.1	9.0	133.7	14.8	0	-	195.3
		Other Flatfish	0.2	*	0.2	0.1	0	0.1	0	0.6	1.0	0.1	*	2.2
		Rockfish	0.7	0	0.3	0.5	0.2	0	0	0	0.1	19.7	1.4	23.3
		Atka Mackerel	0.4	0	1.3	0.8	0.6	0	0.1	0	0	6.5	45.0	56.0
		All Targets	1,201.4	0.2	85.2	21.0	9.1	11.0	76.1	146.2	20.1	27.8	47.8	1,659.6

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Table 4: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Yellowfin	Flat Other	Rockfish	Atka Mackerel	All Species
2013	Hook & Line	Pollock, Bottom	*	-	*	*	-	*	-	*	-	-	-	*
		Sablefish	*	0.9	0	0	0	*	-	-	0	0.2	*	1.3
		Pacific Cod	5.1	0	126.1	0.6	0	0.4	0	1.4	0	0.1	0	155.3
		Turbot	*	0	*	0	0.1	0	*	*	*	0	-	0.7
		Rockfish	*	0	*	*	*	*	-	-	*	0	-	0
		All Targets	5.1	1.1	126.6	0.6	0.2	0.4	0	1.4	0	0.4	0	158.6
	Pot	Sablefish	*	*	*	*	*	-	-	-	*	*	-	*
		Pacific Cod	0	0	30.3	0	0	0	0	0.3	0	0	0	31.0
		All Targets	0	0	30.3	0	0	0	0	0.3	0	0	0	31.0
	Trawl	Pollock, Bottom	74.2	0	3.0	0.7	0.1	1.5	4.4	1.5	0.2	0.2	0.1	86.8
		Pollock, Pelagic	1,155.8	*	6.0	0.4	0	1.6	2.0	0.5	0.1	0.4	0	1,168.0
		Sablefish	*	*	-	*	*	*	-	-	*	*	-	*
		Pacific Cod	4.0	0	43.0	0.3	0	0.2	1.0	2.7	0.6	0.1	0	52.6
		Arrowtooth	2.3	0.1	0.5	12.2	2.6	0.6	0	0	0.5	0.8	0.2	20.9
		Kamchatka Flounder	0.5	0	0	1.2	2.8	*	*	*	0	0.2	0.1	5.1
		Flathead Sole	2.0	*	1.1	0.6	0.1	6.6	2.1	1.3	0.4	0.3	0	14.9
		Rock Sole	7.4	-	8.6	0.7	0.1	2.0	42.4	8.5	4.7	0	*	76.2
		Turbot	*	*	*	*	*	*	-	-	*	*	-	*
		Yellowfin	20.2	-	24.4	2.0	0.1	4.2	7.7	147.5	16.4	0	0	227.2
		Other Flatfish	0.4	*	0.5	0.1	0	0	0	1.2	2.1	*	-	4.5
		Rockfish	1.4	0	0.6	1.1	1.2	0.1	0.1	0	0.1	27.2	3.0	35.1
		Atka Mackerel	0.5	0	0.9	0.6	0.6	0	0	*	0	5.1	19.8	28.1
		All Targets	1,268.6	0.2	88.6	19.8	7.6	16.9	59.8	163.2	25.0	34.5	23.2	1,719.5
	All Gear	All Targets	1,273.8	1.3	245.5	20.5	7.8	17.3	59.8	164.9	25.1	34.9	23.2	1,909.2

Notes: Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 5: Groundfish catch off Alaska by area, residency, and species, 2009-2013, (1,000 metric tons, round weight).

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Year	Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2009	20	23	125	687	145	710
	2010	36	39	136	676	172	715
	2011	33	47	181	1,019	214	1,066
	2012	41	61	172	1,034	213	1,095
	2013	33	60	189	1,085	222	1,145
Sablefish	2009	6	5	1	1	7	6
	2010	5	5	1	1	6	6
	2011	6	5	1	1	7	6
	2012	6	6	1	1	7	7
	2013	6	6	1	1	7	7
Pacific Cod	2009	24	16	35	139	60	154
	2010	35	24	37	131	72	155
	2011	41	22	46	174	87	196
	2012	37	19	51	195	88	214
	2013	31	22	53	193	83	214
Flatfish	2009	14	28	59	168	73	196
	2010	13	25	67	187	80	212
	2011	10	31	23	263	33	294
	2012	7	23	5	287	11	309
	2013	8	26	17	280	25	306
Rockfish	2009	6	17	1	19	7	35
	2010	7	18	1	23	8	41
	2011	5	18	1	27	5	46
	2012	6	21	0	28	6	49
	2013	6	19	0	35	6	53
Atka Mackerel	2009	0	2	0	73	0	75
	2010	0	2	0	69	0	71
	2011	0	2	0	52	0	53
	2012	0	1	0	48	0	49
	2013	0	1	0	23	0	24
All Groundfish	2009	77	93	226	1,109	303	1,202
	2010	101	116	245	1,105	346	1,221
	2011	98	129	257	1,561	354	1,690
	2012	100	134	233	1,619	333	1,753
	2013	91	138	265	1,645	356	1,783

Notes: These estimates include only catch counted against federal TACs. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. Other includes catch by vessels for which residency information was unavailable.

Source: NMFS Alaska Region Catch Accounting System estimates, fish tickets, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 6: Discards and discard rates for groundfish catch off Alaska by area, gear, and species, 2009-2013, (1,000 metric tons, round weight).

			Fixed		Trawl		All Gear	
		Year	Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Gulf of Alaska	Pollock	2009	0	5 %	2.5	6 %	2.6	6 %
		2010	0.1	44 %	1.0	1 %	1.1	1 %
		2011	0	20 %	2.0	2 %	2.0	2 %
		2012	0	20 %	1.9	2 %	2.0	2 %
		2013	0	28 %	2.4	3 %	2.4	3 %
	Sablefish	2009	0.7	6 %	0.1	9 %	0.7	7 %
		2010	0.4	4 %	0	5 %	0.4	4 %
		2011	0.4	4 %	0.2	16 %	0.6	5 %
		2012	0.3	2 %	0.1	8 %	0.3	3 %
		2013	0.6	5 %	0	6 %	0.6	5 %
	Pacific Cod	2009	0.9	4 %	3.0	21 %	3.9	10 %
		2010	0.4	1 %	2.4	11 %	2.8	5 %
		2011	1.3	3 %	0.7	4 %	2.1	3 %
		2012	0.3	1 %	0.7	3 %	1.0	2 %
		2013	2.2	7 %	2.3	11 %	4.6	9 %
	Flatfish	2009	0.3	90 %	12.5	30 %	12.8	30 %
		2010	0.3	92 %	10.2	27 %	10.5	28 %
		2011	0.2	90 %	7.6	19 %	7.8	19 %
		2012	0.2	90 %	5.7	19 %	5.9	20 %
		2013	0.5	96 %	5.8	17 %	6.3	19 %
	Rockfish	2009	0.3	22 %	1.6	8 %	1.9	8 %
		2010	0.5	34 %	1.3	6 %	1.8	7 %
		2011	0.3	28 %	1.6	7 %	1.9	8 %
		2012	0.4	29 %	1.6	6 %	2.0	7 %
		2013	1.1	50 %	1.8	8 %	2.9	12 %
	Atka Mackerel	2009	0	100 %	0.9	41 %	0.9	41 %
		2010	0.1	100 %	1.2	49 %	1.2	51 %
		2011	0	99 %	0.6	36 %	0.6	36 %
		2012	0	86 %	0.5	42 %	0.5	42 %
		2013	0	99 %	0.4	34 %	0.4	34 %
	All Groundfish	2009	6.3	15 %	21.9	17 %	28.2	17 %
		2010	4.1	8 %	17.6	11 %	21.7	10 %
		2011	5.1	8 %	13.6	8 %	18.8	8 %
		2012	3.0	6 %	11.6	6 %	14.6	6 %
		2013	11.1	21 %	14.3	8 %	25.4	11 %

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Table 6: Continued

			Fixed		Trawl		All Gear	
		Year	Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Bering Sea & Aleutian Islands	Pollock	2009	0.6	13 %	5.8	1 %	6.4	1 %
		2010	0.8	20 %	3.1	0 %	3.9	0 %
		2011	0.9	15 %	4.0	0 %	4.9	0 %
		2012	0.5	10 %	5.0	0 %	5.5	0 %
		2013	0.6	12 %	4.9	0 %	5.5	0 %
	Sablefish	2009	0	1 %	0	4 %	0	1 %
		2010	0	2 %	0	3 %	0	2 %
		2011	0	1 %	0	4 %	0	1 %
		2012	0	1 %	0	1 %	0	1 %
		2013	0	2 %	0	1 %	0	2 %
	Pacific Cod	2009	1.6	1 %	0.6	1 %	2.3	1 %
		2010	1.6	1 %	1.4	2 %	2.9	2 %
		2011	1.9	1 %	0.5	1 %	2.5	1 %
		2012	1.8	1 %	0.9	1 %	2.7	1 %
		2013	3.7	2 %	1.5	2 %	5.2	2 %
	Flatfish	2009	2.5	60 %	23.7	11 %	26.3	12 %
		2010	1.9	42 %	22.8	9 %	24.7	10 %
		2011	2.2	48 %	22.4	8 %	24.5	9 %
		2012	2.6	50 %	18.9	7 %	21.5	7 %
		2013	3.0	80 %	22.5	8 %	25.5	9 %
	Rockfish	2009	0.2	50 %	2.0	11 %	2.3	12 %
		2010	0.3	43 %	1.5	7 %	1.8	8 %
		2011	0.1	36 %	1.0	4 %	1.1	4 %
		2012	0.1	26 %	1.4	5 %	1.5	5 %
		2013	0.3	61 %	0.9	3 %	1.2	3 %
	Atka Mackerel	2009	0.1	84 %	2.9	4 %	2.9	4 %
		2010	0.1	52 %	3.9	6 %	4.0	6 %
		2011	0	81 %	1.7	3 %	1.8	3 %
		2012	0	54 %	1.3	3 %	1.3	3 %
		2013	0	92 %	0.7	3 %	0.7	3 %
	All Groundfish	2009	15.9	11 %	45.1	4 %	61.0	5 %
		2010	14.5	11 %	40.2	3 %	54.7	4 %
		2011	20.6	12 %	37.6	2 %	58.2	3 %
		2012	20.5	11 %	35.8	2 %	56.2	3 %
		2013	24.3	13 %	39.0	2 %	63.3	3 %

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Table 6: Continued

			Fixed		Trawl		All Gear	
		Year	Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
All Alaska	Pollock	2009	0.6	13 %	8.3	1 %	8.9	1 %
		2010	1.0	22 %	4.0	0 %	5.0	1 %
		2011	0.9	16 %	6.0	0 %	6.9	1 %
		2012	0.5	11 %	6.9	1 %	7.4	1 %
		2013	0.7	13 %	7.2	1 %	7.9	1 %
	Sablefish	2009	0.7	6 %	0.1	8 %	0.8	6 %
		2010	0.4	4 %	0.1	5 %	0.5	4 %
		2011	0.4	4 %	0.2	15 %	0.6	5 %
		2012	0.3	2 %	0.1	6 %	0.3	2 %
		2013	0.6	5 %	0	5 %	0.7	5 %
	Pacific Cod	2009	2.6	2 %	3.6	5 %	6.2	3 %
		2010	2.0	1 %	3.8	5 %	5.8	3 %
		2011	3.3	2 %	1.2	1 %	4.5	2 %
		2012	2.1	1 %	1.6	1 %	3.7	1 %
		2013	5.9	3 %	3.8	3 %	9.7	3 %
	Flatfish	2009	2.8	62 %	36.2	14 %	39.0	15 %
		2010	2.3	46 %	33.0	12 %	35.3	12 %
		2011	2.4	50 %	30.0	9 %	32.4	10 %
		2012	2.9	52 %	24.5	8 %	27.4	9 %
		2013	3.5	82 %	28.3	9 %	31.8	10 %
	Rockfish	2009	0.5	30 %	3.7	9 %	4.2	10 %
		2010	0.7	36 %	2.8	6 %	3.6	7 %
		2011	0.4	30 %	2.6	5 %	3.1	6 %
		2012	0.5	28 %	3.0	6 %	3.5	6 %
		2013	1.3	52 %	2.7	5 %	4.0	7 %
	Atka Mackerel	2009	0.1	87 %	3.8	5 %	3.9	5 %
		2010	0.1	67 %	5.1	7 %	5.2	7 %
		2011	0	84 %	2.3	4 %	2.4	4 %
		2012	0	63 %	1.8	4 %	1.8	4 %
		2013	0	93 %	1.1	5 %	1.1	5 %
	All Groundfish	2009	22.2	12 %	67.0	5 %	89.2	6 %
		2010	18.6	10 %	57.8	4 %	76.4	5 %
		2011	25.7	11 %	51.2	3 %	77.0	4 %
		2012	23.5	10 %	47.3	3 %	70.8	3 %
		2013	35.4	15 %	53.4	3 %	88.7	4 %

Notes: All groundfish and all gear may include additional categories. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; 4) the sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch. 5) catch is only partially observed by the Observer Program.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 7: Gulf of Alaska groundfish discards by species, gear, and target fishery, 2012 - 2013, (metric tons, round weight).

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Flat Shallow	Atka Mackerel	All Species
2012	Hook & Line	Sablefish	1	249	16	169	0	2	-	1,381
		Pacific Cod	26	0	185	38	11	5	*	1,025
		Rockfish	-	-	0	-	-	-	-	0
		All Targets	28	253	209	211	11	7	*	2,618
	Pot	Sablefish	-	-	*	-	-	-	-	*
		Pacific Cod	10	0	54	16	*	1	11	390
		All Targets	10	0	54	16	*	1	11	390
	Trawl	Pollock, Bottom	56	0	3	91	1	0	*	198
		Pollock, Pelagic	364	0	2	12	2	0	0	679
		Sablefish	0	0	*	38	*	0	-	84
		Pacific Cod	672	0	17	277	41	119	2	1,381
		Arrowtooth	252	59	160	2,257	88	28	0	3,703
		Flathead Sole	86	0	26	674	7	1	-	836
		Rex Sole	108	1	9	623	5	2	*	967
		Flatfish, Shallow	372	0	463	877	7	59	*	2,053
		Rockfish	16	5	8	126	3	7	488	1,671
		All Targets	1,925	65	687	4,973	154	216	490	11,572

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Table 7: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Flat Shallow	Atka Mackerel	All Species
2013	Hook & Line	Sablefish	6	389	87	241	4	6	-	3,225
		Pacific Cod	25	30	229	100	14	9	*	1,713
		Rockfish	-	*	0	-	-	-	-	0
		All Targets	40	579	2,135	450	18	21	1	10,724
	Pot	Pacific Cod	8	0	110	1	0	2	3	372
		All Targets	8	0	110	1	0	2	3	372
	Trawl	Pollock, Bottom	228	0	1	667	56	6	0	1,180
		Pollock, Pelagic	149	0	0	15	1	0	-	213
		Sablefish	2	0	0	95	0	0	0	170
		Pacific Cod	76	0	41	768	234	162	19	1,617
		Arrowtooth	634	9	261	986	3	5	4	2,536
		Flathead Sole	78	0	23	926	10	1	*	1,062
		Rex Sole	0	1	3	719	6	4	*	1,323
		Flatfish, Shallow	1,085	2	1,876	660	1	28	*	4,307
		Rockfish	126	35	103	251	4	11	403	1,871
		All Targets	2,378	47	2,308	5,088	316	218	427	14,279
	All Gear	All Targets	2,426	626	4,554	5,538	333	240	430	25,375

Notes: Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; and 4) the sampling methods used by at-sea observers provide NMFS the basis to make good estimates of total catch by species, not the disposition of that catch. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 8: Bering Sea and Aleutian Islands groundfish discards by species, gear, and target fishery, 2012 - 2013, (metric tons, round weight).

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	All Species
2012	Hook & Line	Sablefish	*	2	1	14	30	-	-	12	-	6	13	*	123
		Pacific Cod	501	4	1,788	761	54	289	28	8	1,001	65	57	10	19,292
		Kamchatka Flounder	-	*	-	-	*	*	-	*	-	-	*	-	*
		Turbot	2	2	4	132	95	13	-	15	-	7	6	-	626
		Rockfish	-	*	*	*	*	*	-	*	-	*	*	-	*
		All Targets	503	13	1,795	909	193	301	28	47	1,001	78	77	10	20,127
	Pot	Sablefish	*	*	*	*	*	*	-	*	-	*	*	-	*
		Pacific Cod	3	-	40	1	0	0	1	-	29	0	1	6	272
		All Targets	3	*	40	1	0	0	1	*	29	0	1	6	272
	Trawl	Pollock, Bottom	175	0	15	39	3	178	541	0	52	22	138	31	1,574
		Pollock, Pelagic	1,571	*	15	83	11	834	1,718	17	439	71	114	5	5,853
		Pacific Cod	1,636	*	148	210	8	141	938	1	28	114	60	33	3,880
		Arrowtooth	228	1	2	761	200	10	2	8	0	16	102	33	1,722
		Kamchatka Flounder	8	0	0	16	65	*	0	4	1	6	9	9	303
		Flathead Sole	117	*	2	78	9	12	4	1	2	12	16	-	340
		Rock Sole	270	-	243	56	13	128	1,369	0	356	1,938	1	*	5,931
		Yellowfin	909	-	437	454	60	132	473	4	3,131	3,773	1	-	12,773
		Other Flatfish	8	*	2	9	2	0	0	0	15	14	54	*	129
		Rockfish	19	1	20	145	47	5	3	2	1	4	313	288	1,037
		Atka Mackerel	16	1	8	60	17	0	17	7	0	3	572	929	2,226
		All Targets	4,958	3	893	1,911	435	1,442	5,067	44	4,025	5,973	1,379	1,327	35,768

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Table 8: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	All Species
2013	Hook & Line	Sablefish	*	16	5	5	38	*	-	45	-	13	77	*	312
		Pacific Cod	611	2	3,087	472	42	371	33	3	1,422	11	106	23	21,843
		Turbot	*	1	*	6	51	5	*	13	*	*	4	-	132
		Rockfish	*	0	*	*	*	*	-	4	-	*	1	-	5
		All Targets	611	30	3,555	508	152	377	34	92	1,422	31	256	23	23,337
	Pot	Sablefish	*	*	*	*	*	-	-	*	-	*	*	-	*
		Pacific Cod	6	0	101	2	0	0	1	-	298	2	6	3	842
		All Targets	6	0	101	2	0	0	1	*	298	2	6	3	842
	Trawl	Pollock, Bottom	88	0	12	239	15	79	227	1	237	81	52	9	1,456
		Pollock, Pelagic	265	*	4	102	11	605	1,079	5	484	19	103	0	3,415
		Sablefish	*	*	-	*	*	*	-	*	-	*	*	-	*
		Pacific Cod	1,158	0	298	264	14	121	304	2	349	512	16	2	3,667
		Arrowtooth	399	1	3	390	232	21	1	175	0	7	127	2	1,736
		Kamchatka Flounder	3	0	0	5	15	*	*	33	*	1	1	0	172
		Flathead Sole	245	*	27	126	24	106	39	15	67	198	9	0	1,113
		Rock Sole	477	-	270	498	84	94	1,193	2	217	1,212	2	*	5,759
		Turbot	*	*	*	*	*	*	-	*	-	*	*	-	*
		Yellowfin	2,106	-	869	1,126	77	141	284	25	3,055	7,693	5	0	18,963
		Other Flatfish	2	*	2	11	1	6	2	0	32	104	*	-	234
		Rockfish	66	0	32	247	104	15	11	6	1	11	267	213	1,278
		Atka Mackerel	54	0	4	30	42	0	7	2	*	0	289	448	1,219
		All Targets	4,862	3	1,521	3,037	619	1,188	3,149	267	4,441	9,838	871	675	39,011
	All Gear	All Targets	5,479	33	5,177	3,547	771	1,565	3,183	359	6,161	9,872	1,133	702	63,189

Notes: Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are discussed in the Notes for Table 7. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 9: Gulf of Alaska groundfish discard rates by species, gear, and target fishery, 2012-2013 (percent).

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
2012	Hook & Line	Sablefish	99	2	43	87	100	-	99	100	37	-	11
		Pacific Cod	15	2	1	92	100	-	*	97	20	*	6
		Rockfish	-	-	0	-	-	-	-	-	0	-	0
		All Targets	16	2	1	88	100	-	99	98	28	*	9
	Pot	Sablefish	-	-	*	-	-	-	-	-	-	-	*
		Pacific Cod	58	100	0	100	*	-	100	98	100	86	2
		All Targets	58	100	0	100	*	-	100	98	100	86	2
	Trawl	Pollock, Bottom	0	0	0	11	1	4	1	0	29	*	1
		Pollock, Pelagic	0	1	1	3	4	2	*	0	81	98	1
		Sablefish	57	0	*	97	*	81	96	100	16	-	27
		Pacific Cod	45	1	0	36	21	20	3	15	37	95	7
		Arrowtooth	26	33	17	16	10	4	62	8	30	38	17
		Flathead Sole	47	0	19	83	2	0	83	0	23	-	41
		Rex Sole	46	15	5	62	2	0	100	2	47	*	33
		Flatfish, Shallow	53	0	45	67	3	6	0	3	4	*	33
		Rockfish	3	1	2	16	17	13	52	11	4	42	6
		All Targets	2	8	3	24	7	4	74	5	6	42	6

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Table 9: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
2013	Hook & Line	Sablefish	100	4	69	94	100	100	95	99	55	-	23
		Pacific Cod	21	96	2	100	100	-	*	98	45	*	13
		Rockfish	-	*	0	-	-	-	-	-	0	-	0
		All Targets	30	5	16	96	100	100	95	99	50	100	31
	Pot	Pacific Cod	41	100	1	100	18	*	100	99	99	99	2
		All Targets	41	100	1	100	18	*	100	99	99	99	2
	Trawl	Pollock, Bottom	2	1	0	46	18	4	1	3	22	12	7
		Pollock, Pelagic	0	0	0	5	1	1	*	1	2	-	0
		Sablefish	88	0	1	95	47	71	46	3	49	100	37
		Pacific Cod	11	0	0	57	57	16	77	17	51	100	8
		Arrowtooth	46	12	25	7	0	0	36	2	40	23	12
		Flathead Sole	72	2	23	91	2	1	*	2	18	*	55
		Rex Sole	0	10	1	74	3	0	87	28	65	*	30
		Flatfish, Shallow	67	20	71	70	0	1	60	1	27	*	41
		Rockfish	15	7	18	33	17	24	58	42	3	35	8
		All Targets	3	6	11	24	11	2	51	4	8	36	8
	All Gear	All Targets	3	5	9	26	12	2	56	4	11	36	11

Notes: Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; and 4) the sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 10: Bering Sea and Aleutian Islands groundfish discard rates by species, gear, and target fishery, 2012-2013 (percent).

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	All Species
2012	Hook & Line	Sablefish	*	0	13	74	97	-	-	25	-	100	11	*	9
		Pacific Cod	10	23	1	78	72	99	100	6	100	92	50	47	12
		Kamchatka Flounder	-	*	-	-	*	*	-	*	-	-	*	-	*
		Turbot	18	7	5	39	39	100	-	1	-	100	11	-	21
		Rockfish	-	*	*	*	*	*	-	*	-	*	*	-	*
		All Targets	10	1	1	69	54	99	100	2	100	94	25	47	12
	Pot	Sablefish	*	*	*	*	*	*	-	*	-	*	*	-	*
		Pacific Cod	56	-	0	100	100	18	91	-	100	86	98	71	1
		All Targets	56	*	0	100	100	18	91	*	100	86	98	71	1
	Trawl	Pollock, Bottom	0	0	0	15	12	11	14	1	6	12	30	16	1
		Pollock, Pelagic	0	*	0	18	54	36	60	35	77	21	35	6	1
		Pacific Cod	45	*	0	89	87	58	69	85	4	44	54	8	8
		Arrowtooth	31	2	1	5	9	2	10	1	32	5	38	22	8
		Kamchatka Flounder	6	0	1	1	1	*	8	0	100	35	4	2	3
		Flathead Sole	13	*	0	19	12	0	1	3	3	7	13	-	5
		Rock Sole	4	-	2	56	74	17	2	100	4	69	5	*	7
		Yellowfin	8	-	2	46	49	6	5	69	2	25	89	-	7
		Other Flatfish	4	*	1	12	12	1	1	38	2	1	96	*	6
		Rockfish	3	3	7	30	20	18	13	10	90	3	2	20	4
		Atka Mackerel	4	3	1	7	3	4	17	3	63	14	9	2	4
		All Targets	0	1	1	9	5	13	7	2	3	30	5	3	2

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Table 10: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	All Species
2013	Hook & Line	Sablefish	*	2	97	65	89	*	-	64	-	100	45	*	23
		Pacific Cod	12	49	2	81	84	100	100	22	100	100	80	91	14
		Turbot	*	12	*	85	85	100	*	2	*	*	19	-	18
		Rockfish	*	0	*	*	*	*	-	89	-	*	11	-	28
		All Targets	12	3	3	82	87	100	100	13	100	90	61	91	15
	Pot	Sablefish	*	*	*	*	*	-	-	*	-	*	*	-	*
		Pacific Cod	77	100	0	99	100	64	97	-	100	100	99	98	3
		All Targets	77	100	0	99	100	64	97	*	100	100	99	98	3
	Trawl	Pollock, Bottom	0	0	0	36	21	5	5	18	16	46	21	13	2
		Pollock, Pelagic	0	*	0	27	49	37	54	30	89	22	24	15	0
		Sablefish	*	*	-	*	*	*	-	*	-	*	*	-	*
		Pacific Cod	29	37	1	90	73	49	32	93	13	84	31	19	7
		Arrowtooth	18	2	1	3	9	3	4	24	30	2	16	1	8
		Kamchatka Flounder	1	0	1	0	1	*	*	31	*	15	0	0	3
		Flathead Sole	12	*	2	20	21	2	2	39	5	49	3	100	7
		Rock Sole	6	-	3	73	78	5	3	89	3	26	4	*	8
		Turbot	*	*	*	*	*	*	-	*	-	*	*	-	*
		Yellowfin	10	-	4	56	52	3	4	71	2	47	29	100	8
		Other Flatfish	0	*	0	13	7	17	3	1	3	5	*	-	5
		Rockfish	5	1	5	22	9	27	15	11	23	21	1	7	4
		Atka Mackerel	11	2	0	5	7	5	18	5	*	4	6	2	4
		All Targets	0	1	2	15	8	7	5	26	3	39	3	3	2
	All Gear	All Targets	0	3	2	17	10	9	5	21	4	39	3	3	3

Notes: Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are discussed in the Notes for Table 9. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 11: Prohibited species catch by species, area and gear, 2009-2013, (metric tons (t) or number in 1,000s).

		Year	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Gulf of Alaska	Hook & Line	2009	-	-	-	0	-	0	1	0
		2010	-	-	-	0	-	-	2	0
		2011	-	-	-	0	-	0	6	-
		2012	-	-	-	0	-	0	3	0
		2013	-	-	0	1	0	0	1	-
	Pot	2009	5	-	-	-	-	-	17	-
		2010	24	-	-	-	-	-	140	-
		2011	38	-	-	-	-	-	12	-
		2012	34	-	-	-	-	-	93	-
		2013	10	-	-	-	-	-	98	-
	Trawl	2009	1,831	9	8	2	-	3	229	1
		2010	1,636	2	55	2	-	3	91	*
		2011	1,868	11	22	3	-	0	102	-
		2012	1,713	1	23	1	-	0	86	-
		2013	1,230	11	24	5	0	0	255	-
	All Gear	2009	1,836	9	8	2	-	3	247	1
		2010	1,660	2	55	2	-	3	233	0
		2011	1,906	11	22	3	-	0	120	-
		2012	1,747	1	23	1	-	0	183	0
		2013	1,240	11	24	6	0	0	354	-
Bering Sea & Aleutian Islands	Hook & Line	2009	629	0	0	0	4	15	21	55
		2010	572	-	0	0	2	2	11	35
		2011	552	*	0	0	3	2	14	38
		2012	613	*	0	0	4	2	16	30
		2013	521	0	*	0	6	1	17	18
	Pot	2009	2	-	-	-	3	191	515	553
		2010	5	-	-	-	2	163	358	766
		2011	7	-	-	-	18	211	298	144
		2012	5	-	-	-	7	17	101	16
		2013	4	-	-	-	99	1	227	15
	Trawl	2009	2,885	88	14	48	76	18	481	527
		2010	2,822	356	12	15	60	13	508	1,721
		2011	2,619	397	27	195	46	53	902	763
		2012	3,112	2,376	13	24	34	25	428	625
		2013	3,078	988	16	127	32	32	714	691
	All Gear	2009	3,516	88	14	48	83	224	1,017	1,134
		2010	3,399	356	13	15	63	178	877	2,522
		2011	3,178	397	27	195	67	265	1,213	945
		2012	3,730	2,376	13	24	45	44	544	671
		2013	3,602	988	16	127	138	34	957	723
All Alaska	All Gear	2009	5,352	97	23	50	83	228	1,264	1,135
		2010	5,059	358	67	17	63	181	1,109	2,522
		2011	5,084	408	48	198	67	266	1,334	945
		2012	5,477	2,378	35	26	45	44	727	671
		2013	4,843	999	40	133	138	34	1,311	723

Notes: These estimates include only catches counted against federal TACs. Totals may include additional categories. The estimates of halibut bycatch mortality are based on the IPHC discard mortality rates that were used for in-season management. The halibut IFQ program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut bycatch numbers unavailable. This is particularly a problem in the GOA for all hook-and-line fisheries and in the BSAI for the sablefish hook-and-line fishery. Therefore, estimates of halibut bycatch mortality are not included in this table for those fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 12: Prohibited species catch in the Gulf of Alaska by species, gear, and groundfish target fishery, 2012-2013, (Metric tons (t) or number in 1,000s).

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2012	Hook & Line	Sablefish	-	-	-	0.3	-	0	-	-
		Pacific Cod	-	-	-	-	-	-	3.1	0.1
		All Targets	-	-	-	0.3	-	0	3.1	0.1
	Pot	Pacific Cod	34.1	-	-	-	-	-	93.2	-
	Trawl	Pollock, Bottom	50.4	0.1	6.7	0.1	-	-	0.4	-
		Pollock, Pelagic	6.9	1.2	12.1	0.2	-	-	0.4	-
		Sablefish	3.0	-	-	-	-	*	-	-
		Pacific Cod	527.4	*	0.5	*	-	-	5.6	-
		Arrowtooth	590.7	*	0.3	0.1	-	-	73.0	-
		Flathead Sole	123.2	-	*	-	-	-	*	-
		Rex Sole	78.1	-	1.0	*	-	-	-	-
		Flatfish, Shallow	259.5	-	0.2	0.2	-	-	3.8	-
		Rockfish	73.3	-	1.6	0.3	-	0.1	0.1	-
		Other Ground-fish	*	-	-	-	-	-	-	-
		All Targets	1,712.6	1.3	22.5	0.9	-	0.1	83.2	-

Continued on next page.

Table 12: Continued

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
	Hook & Line	Sablefish	-	-	0	0.6	0	0.1	0.1	-
		Pacific Cod	-	-	-	-	0	0	1.0	-
		All Targets	-	-	0	0.6	0	0.1	1.1	-
	Pot	Pacific Cod	10.2	-	-	-	-	-	98.2	-
2013	Trawl	Pollock, Bottom	133.9	-	3.7	0.1	-	-	8.0	-
		Pollock, Pelagic	24.5	10.6	9.8	0.7	0	-	-	-
		Sablefish	8.2	-	-	*	-	-	-	-
		Pacific Cod	294.6	-	0.4	-	-	-	16.4	-
		Arrowtooth	349.9	-	4.0	1.0	-	-	99.2	-
		Flathead Sole	28.2	-	*	*	-	-	*	-
		Rex Sole	152.7	-	2.6	0.3	-	-	0.8	-
		Flatfish, Shallow	161.9	0.1	0.5	1.4	-	-	118.6	-
		Rockfish	74.8	-	2.3	2.0	-	0.1	0.1	-
		Atka Mackerel	*	-	*	-	-	-	-	-
		All Targets	1,228.8	10.7	23.3	5.4	0	0.1	243.1	-
	All Gear	All Targets	1,239.0	10.7	23.3	6.1	0	0.2	342.4	-

Notes: These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. Therefore, estimates of halibut PSC mortality are not included in this table for those fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 13: Prohibited species catch in the Bering Sea and Aleutian Islands by species, gear, and groundfish target fishery, 2012-2013, (Metric tons (t) or number in 1,000s)..

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2012	Hook & Line	Sablefish	-	-	-	-	0	0.5	-	-
		Pacific Cod	607.2	*	0	0.1	4.0	1.4	15.6	29.6
		Turbot	5.6	-	*	0.1	-	0	0	0
		Rockfish	*	-	-	-	-	-	-	*
		All Targets	612.8	*	0	0.3	4.0	1.9	15.6	29.6
	Pot	Sablefish	*	-	-	-	-	*	-	*
		Pacific Cod	4.4	-	-	-	7.3	-	100.6	16.1
		All Targets	5.4	-	-	-	7.3	16.9	100.6	16.1
	Trawl	Pollock, Bottom	105.4	186.0	1.5	2.3	0.3	-	4.4	3.3
		Pollock, Pelagic	280.3	2,166.6	9.9	20.1	*	-	1.0	2.8
		Pacific Cod	472.8	5.9	0.9	0	0.3	0.2	10.0	6.6
		Arrowtooth	425.3	0.1	*	*	*	5.1	1.8	3.0
		Kamchatka Flounder	97.2	-	-	-	*	6.2	*	-
		Flathead Sole	85.4	0.6	*	*	0.5	*	26.1	25.9
		Rock Sole	429.8	0.2	*	-	22.6	*	73.6	12.5
		Yellowfin	950.4	16.3	*	0.3	8.1	0.3	309.9	568.6
		Other Flatfish	10.9	*	-	-	*	*	1.0	2.2
		Rockfish	76.5	-	0.3	*	*	7.3	*	-
		Atka Mackerel	177.9	0	*	1.2	1.8	6.3	-	*
		All Targets	3,111.9	2,375.7	12.5	23.9	33.6	25.3	427.8	624.9

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Table 13: Continued

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2013	Hook & Line	Pollock, Bottom	*	-	-	-	-	-	*	-
		Sablefish	-	-	*	0	-	0.5	-	-
		Pacific Cod	519.8	0.1	-	0.2	5.8	0.6	16.5	17.9
		Turbot	1.3	-	-	*	-	-	-	*
		Rockfish	*	-	-	-	-	*	-	-
		All Targets	521.1	0.1	*	0.2	5.8	1.1	16.5	17.9
	Pot	Sablefish	*	-	-	-	-	*	*	*
		Pacific Cod	2.1	-	-	-	99.4	0	226.4	14.3
		All Targets	3.7	-	-	-	99.4	0	226.4	14.3
	Trawl	Pollock, Bottom	150.9	0	1.6	1.7	0.3	*	10.6	4.8
		Pollock, Pelagic	117.5	958.9	11.5	123.8	-	*	1.6	3.7
		Sablefish	*	-	-	-	-	-	-	-
		Pacific Cod	359.0	0.2	0.9	0.3	0.5	0	11.0	11.5
		Arrowtooth	247.6	0.2	-	-	*	9.7	4.0	9.0
		Kamchatka Flounder	39.4	-	-	-	*	2.9	-	-
		Flathead Sole	131.0	1.7	-	-	1.0	*	70.7	76.6
		Rock Sole	614.8	0.3	*	*	18.4	*	52.1	14.7
		Turbot	*	-	-	-	-	-	-	-
		Yellowfin	1,203.2	26.8	0.6	0.3	11.0	0.4	560.3	563.0
		Other Flatfish	22.8	-	-	-	-	*	3.1	7.3
		Rockfish	112.4	-	*	-	*	14.7	0.7	*
		Atka Mackerel	77.6	*	-	0.7	*	3.3	*	*
		All Targets	3,076.1	988.1	14.5	126.9	31.1	31.0	713.9	690.6
	All Gear	All Targets	3,600.9	988.2	14.5	127.1	136.4	32.1	956.9	722.8

Notes: These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. This is particularly a problem in the Bering Sea and Aleutian Islands sablefish hook-and-line fishery. Therefore, estimates of halibut PSC mortality are not included in this table for that fishery. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 14: Prohibited species catch rates in the Gulf of Alaska by species, gear, and groundfish target fishery, 2012-2013, (Metric tons per metric ton or numbers per metric ton).

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2012	Hook & Line	Sablefish	-	-	-	0.025	-	0.002	-	-
		Pacific Cod	-	-	-	-	-	-	0.183	0.006
		All Targets	-	-	-	0.010	-	0.001	0.100	0.003
	Pot	Pacific Cod	0.002	-	-	-	-	-	4.262	-
	Trawl	Pollock, Bottom	0.003	0	0.427	0.003	-	-	0.023	-
		Pollock, Pelagic	0	0	0.143	0.003	-	-	0.004	-
		Sablefish	0.010	-	-	-	-	*	-	-
		Pacific Cod	0.026	*	0.026	*	-	-	0.275	-
		Arrowtooth	0.028	*	0.015	0.005	-	-	3.445	-
		Flathead Sole	0.060	-	*	-	-	-	*	-
		Rex Sole	0.026	-	0.332	*	-	-	-	-
		Flatfish, Shallow	0.041	-	0.038	0.034	-	-	0.605	-
		Rockfish	0.003	-	0.058	0.011	-	0.004	0.003	-
		Other Ground-fish	*	-	-	-	-	-	-	-
		All Targets	0.009	0	0.124	0.005	-	0.001	0.459	-

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Table 14: Continued

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2013	Hook & Line	Sablefish	-	-	0	0.044	0.002	0.008	0.006	-
		Pacific Cod	-	-	-	-	0.001	0.001	0.075	-
		All Targets	-	-	0	0.018	0.001	0.004	0.032	-
	Pot	Pacific Cod	0.001	-	-	-	-	-	5.614	-
	Trawl	Pollock, Bottom	0.008	-	0.222	0.004	-	-	0.477	-
		Pollock, Pelagic	0	0	0.128	0.009	0	-	-	-
		Sablefish	0.018	-	-	*	-	-	-	-
		Pacific Cod	0.015	-	0.019	-	-	-	0.812	-
		Arrowtooth	0.016	-	0.187	0.047	-	-	4.590	-
		Flathead Sole	0.015	-	*	*	-	-	*	-
		Rex Sole	0.035	-	0.594	0.057	-	-	0.172	-
		Flatfish, Shallow	0.016	0	0.046	0.135	-	-	11.396	-
		Rockfish	0.003	-	0.096	0.083	-	0.004	0.003	-
		Atka Mackerel	*	-	*	-	-	-	-	-
		All Targets	0.007	0	0.132	0.031	0	0.001	1.374	-
	All Gear	All Targets	0.005	0	0.102	0.026	0	0.001	1.496	-

Notes: These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. Therefore, estimates of halibut PSC mortality are not included in this table for those fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 15: Prohibited species catch rates in the Bering Sea and Aleutian Islands by species, gear, and groundfish target fishery, 2012-2013, (Metric tons per metric ton or numbers per metric ton).

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2012	Hook & Line	Sablefish	-	-	-	-	0.005	0.350	-	-
		Pacific Cod	0.004	*	0	0.001	0.025	0.009	0.098	0.186
		Turbot	0.002	-	*	0.042	-	0.009	0.005	0.014
		Rockfish	*	-	-	-	-	-	-	*
		All Targets	0.004	*	0	0.002	0.024	0.012	0.095	0.181
	Pot	Sablefish	*	-	-	-	-	*	-	*
		Pacific Cod	0	-	-	-	0.253	-	3.469	0.556
		All Targets	0	-	-	-	0.249	0.572	3.406	0.545
	Trawl	Pollock, Bottom	0.001	0.002	0.012	0.019	0.003	-	0.037	0.028
		Pollock, Pelagic	0	0.002	0.009	0.019	*	-	0.001	0.003
		Pacific Cod	0.009	0	0.017	0	0.007	0.003	0.195	0.129
		Arrowtooth	0.020	0	*	*	*	0.239	0.086	0.142
		Kamchatka Flounder	0.010	-	-	-	*	0.616	*	-
		Flathead Sole	0.014	0	*	*	0.072	*	4.188	4.157
		Rock Sole	0.005	0	*	-	0.253	*	0.821	0.140
		Yellowfin	0.005	0	*	0.002	0.041	0.001	1.587	2.911
		Other Flatfish	0.005	*	-	-	*	*	0.451	0.982
		Rockfish	0.003	-	0.012	*	*	0.313	*	-
		Atka Mackerel	0.003	0	*	0.021	0.032	0.112	-	*
		All Targets	0.002	0.001	0.008	0.014	0.020	0.015	0.258	0.377

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Table 15: Continued

		Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
2013	Hook & Line	Pollock, Bottom	*	-	-	-	-	-	*	-
		Sablefish	-	-	*	0.006	-	0.350	-	-
		Pacific Cod	0.003	0	-	0.001	0.038	0.004	0.107	0.115
		Turbot	0.002	-	-	*	-	-	-	*
		Rockfish	*	-	-	-	-	*	-	-
		All Targets	0.003	0	*	0.001	0.037	0.007	0.104	0.113
	Pot	Sablefish	*	-	-	-	-	*	*	*
		Pacific Cod	0	-	-	-	3.203	0.001	7.294	0.460
		All Targets	0	-	-	-	3.153	0.001	7.181	0.453
	Trawl	Pollock, Bottom	0.002	0	0.019	0.020	0.004	*	0.122	0.055
		Pollock, Pelagic	0	0.001	0.010	0.106	-	*	0.001	0.003
		Sablefish	*	-	-	-	-	-	-	-
		Pacific Cod	0.007	0	0.016	0.006	0.009	0.001	0.209	0.218
		Arrowtooth	0.012	0	-	-	*	0.467	0.190	0.432
		Kamchatka Flounder	0.008	-	-	-	*	0.560	-	-
		Flathead Sole	0.009	0	-	-	0.065	*	4.750	5.142
		Rock Sole	0.008	0	*	*	0.242	*	0.683	0.193
		Turbot	*	-	-	-	-	-	-	-
		Yellowfin	0.005	0	0.002	0.001	0.048	0.002	2.466	2.478
		Other Flatfish	0.005	-	-	-	-	*	0.672	1.592
		Rockfish	0.003	-	*	-	*	0.418	0.019	*
		Atka Mackerel	0.003	*	-	0.025	*	0.116	*	*
		All Targets	0.002	0.001	0.008	0.074	0.018	0.018	0.415	0.402
	All Gear	All Targets	0.002	0.001	0.008	0.067	0.071	0.017	0.501	0.378

Notes: These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. This is particularly a problem in the Bering Sea and Aleutian Islands sablefish hook-and-line fishery. Therefore, estimates of halibut PSC mortality are not included in this table for that fishery. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 16: Real ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 1984 - 2013 ; calculations based on COAR ($ millions, base year = 2013)

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
1984	272.8	904.8	53.8	51.7	73.6	1,356.7
1985	277.3	1,010.7	95.7	97.3	112.6	1,593.6
1986	435.6	961.9	91.4	166.9	158.5	1,814.3
1987	457.0	1,004.4	88.6	162.0	291.1	2,003.2
1988	471.0	1,489.3	112.0	132.2	484.2	2,688.7
1989	580.9	1,054.2	38.9	175.6	703.8	2,553.4
1990	717.2	1,104.2	48.5	175.5	907.9	2,953.2
1991	598.8	596.8	56.9	182.2	928.7	2,363.3
1992	638.2	1,037.0	51.4	91.4	1,285.4	3,103.5
1993	624.0	743.0	26.8	101.8	838.3	2,333.9
1994	591.7	781.7	39.8	156.0	899.5	2,468.7
1995	492.4	863.2	68.1	103.6	1,043.3	2,570.6
1996	314.0	620.9	80.3	133.0	928.3	2,076.4
1997	287.3	413.6	26.5	177.8	871.0	1,776.3
1998	354.9	393.9	17.5	152.7	606.9	1,525.9
1999	422.4	538.4	22.1	182.1	745.8	1,910.7
2000	214.0	370.1	14.4	202.3	898.5	1,699.3
2001	192.4	293.7	16.2	185.9	893.1	1,581.4
2002	231.4	202.0	14.1	200.4	956.1	1,604.1
2003	267.0	255.9	13.5	252.5	1,007.7	1,796.7
2004	238.8	367.5	20.2	243.1	922.0	1,791.6
2005	224.9	419.1	19.6	227.2	1,010.8	1,901.6
2006	176.8	393.1	12.4	241.6	1,052.2	1,876.1
2007	230.8	473.4	18.9	266.2	1,021.4	2,010.7
2008	302.2	482.9	29.9	243.9	1,138.2	2,197.0
2009	229.0	459.9	28.3	159.5	813.7	1,690.4
2010	252.0	569.1	24.1	218.8	748.3	1,812.3
2011	307.7	632.4	11.2	212.1	1,029.3	2,192.7
2012	329.8	550.9	22.4	149.7	1,097.0	2,149.8
2013	238.4	679.5	16.3	111.5	877.9	1,923.6

Notes: These estimates include the value of catch from both federal and state of Alaska fisheries. The data have been adjusted to 2013 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: http://data.bls.gov/cgi-bin/srgate.

Source: NMFS Alaska Region Blend and Catch-Accounting System estimates, At-Sea Production Reports, Commercial Operators Annual Reports (COAR), Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 17: Percentage distribution of ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 1984 - 2013 ; calculations based on COAR.

Year	Shellfish	Salmon	Herring	Halibut	Groundfish
1984	20.1 %	66.7 %	4.0 %	3.8 %	5.4 %
1985	17.4 %	63.4 %	6.0 %	6.1 %	7.1 %
1986	24.0 %	53.0 %	5.0 %	9.2 %	8.7 %
1987	22.8 %	50.1 %	4.4 %	8.1 %	14.5 %
1988	17.5 %	55.4 %	4.2 %	4.9 %	18.0 %
1989	22.7 %	41.3 %	1.5 %	6.9 %	27.6 %
1990	24.3 %	37.4 %	1.6 %	5.9 %	30.7 %
1991	25.3 %	25.3 %	2.4 %	7.7 %	39.3 %
1992	20.6 %	33.4 %	1.7 %	2.9 %	41.4 %
1993	26.7 %	31.8 %	1.1 %	4.4 %	35.9 %
1994	24.0 %	31.7 %	1.6 %	6.3 %	36.4 %
1995	19.2 %	33.6 %	2.6 %	4.0 %	40.6 %
1996	15.1 %	29.9 %	3.9 %	6.4 %	44.7 %
1997	16.2 %	23.3 %	1.5 %	10.0 %	49.0 %
1998	23.3 %	25.8 %	1.1 %	10.0 %	39.8 %
1999	22.1 %	28.2 %	1.2 %	9.5 %	39.0 %
2000	12.6 %	21.8 %	0.8 %	11.9 %	52.9 %
2001	12.2 %	18.6 %	1.0 %	11.8 %	56.5 %
2002	14.4 %	12.6 %	0.9 %	12.5 %	59.6 %
2003	14.9 %	14.2 %	0.8 %	14.1 %	56.1 %
2004	13.3 %	20.5 %	1.1 %	13.6 %	51.5 %
2005	11.8 %	22.0 %	1.0 %	11.9 %	53.2 %
2006	9.4 %	21.0 %	0.7 %	12.9 %	56.1 %
2007	11.5 %	23.5 %	0.9 %	13.2 %	50.8 %
2008	13.8 %	22.0 %	1.4 %	11.1 %	51.8 %
2009	13.5 %	27.2 %	1.7 %	9.4 %	48.1 %
2010	13.9 %	31.4 %	1.3 %	12.1 %	41.3 %
2011	14.0 %	28.8 %	0.5 %	9.7 %	46.9 %
2012	15.3 %	25.6 %	1.0 %	7.0 %	51.0 %
2013	12.4 %	35.3 %	0.8 %	5.8 %	45.6 %

Notes: These estimates report the distribution of the value of catch from both federal and state of Alaska fisheries.

Source: NMFS Alaska Region Blend and Catch-Accounting System estimates, At-Sea Production Reports, Commercial Operators Annual Reports (COAR), Fisheries of the United States. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 18: Ex-vessel prices in the groundfish fisheries off Alaska by area, gear, and species, 2009 - 2013 ; calculations based on COAR ($/lb, round weight)

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska
	Year	Fixed	Trawl	Fixed	Trawl	All Gear
Pollock	2009	0.110	0.174	0.097	0.185	0.184
	2010	0.133	0.173	0.145	0.153	0.154
	2011	0.128	0.161	0.178	0.165	0.165
	2012	0.144	0.171	0.108	0.173	0.173
	2013	0.156	0.176	0.092	0.150	0.152
Sablefish	2009	3.452	3.338	2.573	1.281	3.296
	2010	4.077	3.267	4.257	1.604	4.025
	2011	5.463	3.986	5.105	1.790	5.290
	2012	4.421	3.231	3.522	1.014	4.192
	2013	3.215	2.434	2.838	1.173	3.100
Pacific Cod	2009	0.299	0.265	0.273	0.221	0.264
	2010	0.269	0.231	0.299	0.209	0.265
	2011	0.339	0.309	0.306	0.249	0.300
	2012	0.361	0.326	0.327	0.313	0.329
	2013	0.273	0.244	0.252	0.240	0.251
Flatfish	2009	0.171	0.133	0.023	0.144	0.142
	2010	0.793	0.107	0.015	0.149	0.143
	2011	0.512	0.110	0.174	0.182	0.174
	2012	0.223	0.137	0.017	0.204	0.197
	2013	0.019	0.141	0.052	0.161	0.159
Rockfish	2009	0.572	0.091	0.596	0.175	0.145
	2010	0.536	0.123	0.642	0.228	0.186
	2011	0.531	0.156	0.537	0.348	0.272
	2012	0.665	0.265	0.490	0.289	0.287
	2013	0.653	0.206	0.639	0.211	0.220
Atka Mackerel	2009	*	0.281	*	0.187	0.189
	2010	*	0.277	0.015	0.207	0.208
	2011	0.016	0.365	0.124	0.268	0.270
	2012	0.131	0.388	0.180	0.292	0.294
	2013	*	0.367	0.023	0.327	0.328

Notes: 1) Prices are for catch from both federal and state of Alaska fisheries.
2) Prices do not include the value added by at-sea processing except for the value added by dressing fish at sea where the fish have not been frozen. The unfrozen landings price is calculated as landed value divided by estimated or actual round weight.
3) Trawl-caught sablefish, rockfish and flatfish in the BSAI and trawl-caught Atka mackerel in both the BSAI and the GOA are not well represented by on-shore landings. A price was calculated for these categories from product-report prices; the price in this case is the value of the product divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing.
4) The "All Alaska/All gear" column is the weighted average of the other columns.
"*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), At-Sea Production Reports, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 19: Ex-vessel value of the groundfish catch off Alaska by area, vessel category, gear, and species, 2009 - 2013 ; calculations based on COAR ($ millions)

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Hook & Line	Sablefish	2009	71.3	7.6	78.9	3.3	3.5	6.8	74.6	11.1	85.7
		2010	80.6	5.9	86.4	6.0	5.3	11.2	86.5	11.2	97.7
		2011	116.4	9.0	125.4	7.4	4.7	12.1	123.8	13.7	137.5
		2012	105.2	6.8	112.0	5.5	3.7	9.2	110.7	10.5	121.2
		2013	74.6	4.7	79.3	3.6	3.0	6.6	78.2	7.7	85.9
	Pacific Cod	2009	7.3	3.6	10.9	0.4	60.2	60.6	7.7	63.8	71.5
		2010	7.8	4.9	12.7	0.5	57.7	58.2	8.3	62.6	70.9
		2011	10.1	6.1	16.2	0.7	78.0	78.7	10.8	84.2	95.0
		2012	12.6	3.7	16.3	0.6	93.1	93.7	13.2	96.8	110.0
		2013	6.3	1.9	8.1	0.6	67.7	68.3	6.8	69.5	76.4
	Flatfish	2009	0	0	0	*	0.1	0.1	0	0.1	0.1
		2010	0	0	0	*	0.1	0.1	0	0.1	0.1
		2011	0	0	0	*	0.9	0.9	0	0.9	0.9
		2012	0	0	0	*	0.1	0.1	0	0.1	0.1
		2013	0	*	0	*	0.1	0.1	0	0.1	0.1
	Rockfish	2009	1.2	0.1	1.4	0.1	0.3	0.3	1.3	0.4	1.7
		2010	1.2	0.1	1.3	0.1	0.5	0.5	1.2	0.6	1.8
		2011	1.0	0.1	1.1	0.1	0.2	0.2	1.1	0.3	1.3
		2012	1.5	0.2	1.6	0.1	0.2	0.3	1.5	0.4	1.9
		2013	1.6	0.1	1.7	0.1	0.2	0.2	1.7	0.3	2.0
	All Species	2009	80.4	11.4	91.8	3.8	66.3	70.1	84.2	77.7	161.8
		2010	90.0	11.1	101.2	6.5	65.3	71.8	96.6	76.4	172.9
		2011	128.1	15.6	143.7	8.2	89.7	97.9	136.3	105.3	241.6
		2012	120.2	10.8	131.0	6.2	100.4	106.6	126.4	111.2	237.6
		2013	83.0	6.7	89.7	4.2	78.2	82.4	87.2	84.9	172.1

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Table 19: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Pot	Pacific Cod	2009	14.3	*	14.3	6.5	2.9	9.4	20.8	2.9	23.6
		2010	20.6	-	20.6	11.2	3.4	14.6	31.8	3.4	35.1
		2011	34.1	*	34.1	16.8	2.2	19.0	50.8	2.2	53.1
		2012	29.5	*	29.5	18.7	3.9	22.6	48.2	3.9	52.0
		2013	18.7	-	18.7	15.0	*	15.0	33.7	*	33.7
Trawl	Pollock	2009	15.4	0.5	15.9	176.3	150.6	327.0	191.7	151.2	342.9
		2010	28.4	0.4	28.8	142.4	128.6	271.0	170.8	129.0	299.7
		2011	27.7	0.4	28.1	229.7	204.6	434.3	257.5	205.0	462.4
		2012	38.0	0.4	38.4	241.3	216.1	457.4	279.3	216.5	495.9
		2013	35.9	0.4	36.4	218.6	199.8	418.5	254.6	200.3	454.8
	Sablefish	2009	3.4	2.6	6.0	0	0.5	0.5	3.4	3.1	6.4
		2010	3.3	2.9	6.2	0	0.4	0.4	3.3	3.2	6.5
		2011	4.6	3.5	8.1	0	0.3	0.3	4.6	3.8	8.4
		2012	2.9	2.7	5.7	*	0.5	0.5	2.9	3.3	6.2
		2013	2.2	2.1	4.3	*	0.5	0.5	2.2	2.6	4.8
	Pacific Cod	2009	5.6	0.8	6.4	11.9	16.0	27.9	17.5	16.8	34.3
		2010	9.3	0.6	9.9	11.1	15.9	27.0	20.4	16.5	36.9
		2011	9.9	0.8	10.7	16.9	23.0	40.0	26.8	23.9	50.7
		2012	13.1	0.9	14.0	28.9	30.8	59.7	42.0	31.7	73.7
		2013	9.8	0.6	10.4	21.5	25.1	46.6	31.3	25.7	57.0
	Flatfish	2009	6.7	1.9	8.7	2.4	60.7	63.1	9.1	62.6	71.7
		2010	4.7	1.7	6.4	1.0	73.1	74.1	5.8	74.7	80.5
		2011	5.0	3.1	8.1	1.6	102.5	104.1	6.6	105.6	112.1
		2012	4.2	2.9	7.1	1.7	118.3	119.9	5.9	121.2	127.1
		2013	5.5	3.1	8.6	0.6	95.4	96.0	6.1	98.5	104.6

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Table 19: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Trawl	Rockfish	2009	1.5	2.5	4.0	0.2	6.4	6.6	1.7	8.8	10.5
		2010	2.5	3.6	6.1	0.1	10.6	10.7	2.6	14.3	16.9
		2011	2.9	4.0	6.9	0.1	20.5	20.6	3.1	24.5	27.5
		2012	6.2	7.9	14.1	0.2	16.6	16.8	6.4	24.5	30.9
		2013	4.3	5.1	9.4	0.1	15.5	15.6	4.4	20.6	25.1
	Atka Mackerel	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
		2010	0	0.7	0.7	0	29.4	29.5	0	30.2	30.2
		2011	0	0.8	0.8	0.6	29.0	29.5	0.6	29.8	30.4
		2012	0	0.6	0.6	0.1	29.8	29.9	0.2	30.4	30.5
		2013	0	0.7	0.7	0	16.1	16.2	0	16.8	16.9
	All Species	2009	33.6	9.4	42.9	190.9	263.2	454.1	224.5	272.6	497.1
		2010	49.3	10.1	59.4	154.7	258.2	412.9	204.1	268.2	472.3
		2011	51.8	12.9	64.7	249.0	380.2	629.2	300.8	393.1	693.9
		2012	66.0	15.8	81.7	272.4	412.5	684.8	338.4	428.2	766.6
		2013	59.5	12.1	71.5	240.9	352.6	593.5	300.4	364.6	665.0
All Gear	Pollock	2009	15.4	0.5	15.9	176.3	151.5	327.8	191.8	152.0	343.8
		2010	28.4	0.4	28.8	142.4	129.7	272.1	170.8	130.1	300.9
		2011	27.8	0.4	28.1	229.7	206.4	436.2	257.5	206.8	464.3
		2012	38.0	0.4	38.5	241.3	217.2	458.5	279.4	217.6	497.0
		2013	36.0	0.4	36.4	218.6	200.7	419.4	254.6	201.2	455.8
	Sablefish	2009	74.6	10.2	84.8	6.9	3.9	10.8	81.5	14.1	95.7
		2010	83.9	8.7	92.6	6.0	5.6	11.6	89.8	14.4	104.2
		2011	121.0	12.5	133.5	13.3	5.0	18.3	134.3	17.5	151.9
		2012	108.1	9.5	117.7	5.5	4.2	9.7	113.7	13.7	127.4
		2013	77.1	6.8	83.9	3.6	3.5	7.1	80.6	10.3	90.9

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Table 19: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
All Gear	Pacific Cod	2009	27.1	4.5	31.6	18.9	79.0	97.9	46.0	83.5	129.5
		2010	37.6	5.5	43.1	22.8	76.9	99.8	60.5	82.4	142.9
		2011	54.1	7.0	61.0	34.4	103.3	137.7	88.5	110.3	198.7
		2012	55.2	4.6	59.7	48.2	127.8	176.0	103.4	132.3	235.7
		2013	34.8	2.5	37.2	37.0	92.8	129.8	71.8	95.2	167.0
	Flatfish	2009	6.7	1.9	8.7	2.4	60.8	63.1	9.1	62.7	71.8
		2010	4.7	1.7	6.5	1.0	73.2	74.2	5.8	74.9	80.7
		2011	5.0	3.1	8.1	1.6	103.4	105.0	6.6	106.5	113.1
		2012	4.2	2.9	7.1	1.7	118.4	120.0	5.9	121.3	127.2
		2013	5.5	3.1	8.6	0.6	95.5	96.1	6.1	98.6	104.7
	Rockfish	2009	2.7	2.6	5.3	0.2	6.6	6.9	3.0	9.2	12.2
		2010	3.7	3.7	7.4	0.1	11.1	11.2	3.8	14.8	18.6
		2011	3.9	4.1	8.0	0.2	20.6	20.8	4.1	24.7	28.9
		2012	7.7	8.1	15.8	0.3	16.8	17.1	8.0	24.9	32.8
		2013	5.9	5.2	11.2	0.2	15.7	15.9	6.1	20.9	27.1
	Atka Mackerel	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
		2010	0	0.7	0.7	0	29.4	29.5	0	30.2	30.2
		2011	0	0.8	0.8	0.6	29.0	29.5	0.6	29.8	30.4
		2012	0	0.6	0.6	0.1	29.8	29.9	0.2	30.4	30.5
		2013	0	0.7	0.7	0	16.1	16.2	0	16.8	16.9
	All Species	2009	128.4	20.8	149.2	204.9	332.3	537.2	333.3	353.1	686.4
		2010	160.1	21.2	181.3	172.5	326.8	499.3	332.6	348.0	680.6
		2011	214.3	28.5	242.8	280.0	472.1	752.1	494.3	500.6	994.9
		2012	215.9	26.6	242.5	297.3	516.7	814.0	513.2	543.3	1,056.5
		2013	161.5	18.8	180.3	260.2	430.8	690.9	421.7	449.5	871.2

Notes: These estimates include the value of catch from both federal and state of Alaska fisheries. Ex-vessel value is calculated using prices on Table 18a. Please refer to Table 18a for a description of the price derivation. All groundfish includes additional species categories. The value added by at-sea processing is not included in these estimates of ex-vessel value. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), At-Sea Production Reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 20: Ex-vessel value of Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2004 - 2013 ; calculations based on COAR ($ millions)

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2004	60.8	23.0	0.1	3.8	8.3	1.8	64.6	31.2	2.0
	2005	55.1	25.3	0.3	3.9	11.5	1.9	59.1	36.7	2.2
	2006	65.4	32.7	0.2	6.4	14.2	3.8	71.7	47.0	4.1
	2007	74.7	33.4	0	5.5	16.0	2.5	80.3	49.4	2.5
	2008	85.8	35.3	0.3	9.1	16.7	3.6	94.9	52.1	3.9
	2009	68.3	26.7	*	5.1	7.3	1.6	73.4	34.0	1.6
	2010	79.9	31.1	*	7.7	11.6	3.2	87.5	42.7	3.2
	2011	117.3	45.7	*	11.8	15.1	3.9	129.2	60.9	3.9
	2012	108.6	41.7	*	14.4	10.8	3.6	123.0	52.5	3.6
	2013	75.3	26.7	*	11.0	7.8	3.2	86.4	34.5	3.2
Trawl	2004	4.4	23.7	-	*	78.7	84.9	4.4	102.4	84.9
	2005	8.1	28.9	-	*	89.6	106.8	8.1	118.4	106.8
	2006	7.7	33.4	-	*	94.0	112.1	7.7	127.4	112.1
	2007	8.7	34.2	-	*	92.7	100.1	8.7	126.9	100.1
	2008	10.8	38.1	*	*	106.9	119.2	10.8	145.1	119.2
	2009	6.5	27.1	-	*	72.4	84.2	6.5	99.5	84.2
	2010	10.3	39.0	-	*	60.8	69.3	10.3	99.8	69.3
	2011	8.2	43.6	-	*	100.5	107.8	8.2	144.1	107.8
	2012	15.4	50.6	-	*	111.2	119.7	15.4	161.7	119.7
	2013	8.9	50.6	-	*	95.2	108.4	8.9	145.8	108.4
All Gear	2004	65.2	46.7	0.1	3.8	87.0	86.7	69.0	133.6	86.8
	2005	63.2	54.1	0.3	3.9	101.1	108.7	67.1	155.2	109.0
	2006	73.0	66.1	0.2	6.4	108.3	116.0	79.4	174.4	116.2
	2007	83.5	67.6	0	5.5	108.7	102.6	89.0	176.3	102.6
	2008	96.6	73.5	0.3	9.1	123.7	122.8	105.7	197.2	123.1
	2009	74.8	53.8	*	5.1	79.7	85.8	79.9	133.5	85.8
	2010	90.2	70.1	*	7.7	72.4	72.6	97.8	142.5	72.6
	2011	125.5	89.3	*	11.8	115.6	111.7	137.4	204.9	111.7
	2012	124.0	92.3	*	14.4	121.9	123.4	138.4	214.2	123.4
	2013	84.2	77.3	*	11.0	103.0	111.6	95.2	180.3	111.6

Notes: These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-Accounting System and At-Sea Production Reports; ADF&G COAR buying data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 21: Ex-vessel value per catcher vessel for Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2004 - 2013 ; calculations based on COAR ($ thousands)

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2004	62	177	31	70	110	102	65	194	103
	2005	61	212	60	60	180	128	64	243	148
	2006	65	262	57	98	226	321	70	315	340
	2007	72	301	9	76	275	209	75	350	211
	2008	79	337	74	117	274	359	86	395	353
	2009	67	276	*	73	155	200	71	286	178
	2010	77	327	*	113	242	358	83	371	323
	2011	106	497	*	165	270	490	116	520	436
	2012	98	509	*	225	234	404	110	495	363
	2013	82	361	*	140	165	354	91	352	354
Trawl	2004	193	439	-	*	1,049	3,144	177	1,067	3,144
	2005	299	566	-	*	1,262	4,106	299	1,287	4,106
	2006	295	695	-	*	1,306	4,313	295	1,355	4,313
	2007	324	743	-	*	1,288	3,848	324	1,426	3,848
	2008	384	867	*	*	1,528	4,256	384	1,630	4,256
	2009	231	616	-	*	1,081	3,119	231	1,171	3,119
	2010	412	908	-	*	980	2,568	396	1,247	2,568
	2011	340	969	-	*	1,456	3,993	340	1,757	3,993
	2012	642	1,076	-	*	1,710	4,276	642	1,972	4,276
	2013	341	1,150	-	*	1,465	4,016	341	1,778	4,016
All Gear	2004	66	267	31	62	588	1,927	69	543	1,888
	2005	70	336	60	56	754	2,651	72	666	2,658
	2006	72	408	57	94	808	3,053	77	755	3,059
	2007	80	445	9	70	842	2,699	83	787	2,700
	2008	88	510	59	110	951	3,231	95	917	3,155
	2009	73	396	*	67	705	2,452	77	674	2,384
	2010	86	527	*	106	658	2,016	92	750	1,961
	2011	113	672	*	162	925	3,192	122	1,051	3,104
	2012	111	733	*	209	1,098	3,334	123	1,158	3,246
	2013	90	672	*	136	920	3,101	99	1,019	3,101

Notes: These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-Accounting System and At-Sea Production Reports; ADF&G COAR buying data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 22: Ex-vessel value of the groundfish catch off Alaska by area, residency, and species, 2009 - 2013 ; calculations based on COAR ($ millions).

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Year	Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2009	7.5	8.4	50.5	277.3	58.0	285.8
	2010	13.9	14.9	45.5	226.6	59.3	241.5
	2011	12.0	16.2	66.0	370.2	77.9	386.4
	2012	15.8	22.6	65.4	393.1	81.2	415.8
	2013	13.4	23.0	62.2	357.1	75.6	380.2
Sablefish	2009	47.9	37.2	3.5	7.3	51.4	44.5
	2010	51.1	41.8	4.6	11.7	55.7	53.5
	2011	74.2	59.8	7.9	10.6	82.1	70.4
	2012	64.7	53.4	5.0	8.6	69.7	62.0
	2013	46.9	37.0	4.5	5.3	51.4	42.3
Pacific Cod	2009	21.7	10.0	20.4	77.5	42.1	87.5
	2010	29.1	14.0	23.2	76.6	52.3	90.6
	2011	43.6	17.6	30.6	107.1	74.1	124.7
	2012	43.6	16.2	37.8	138.2	81.4	154.4
	2013	25.3	11.9	29.7	103.9	55.0	115.9
Flatfish	2009	3.4	5.3	16.6	46.5	20.0	51.8
	2010	2.6	3.9	20.4	53.8	23.0	57.7
	2011	2.0	6.0	8.0	97.0	10.1	103.0
	2012	1.6	5.5	1.4	118.6	3.0	124.2
	2013	2.0	6.6	5.0	91.1	7.0	97.7
Rockfish	2009	2.0	3.4	0.2	6.7	2.1	10.1
	2010	2.5	4.9	0.3	11.0	2.8	15.9
	2011	2.0	6.1	0.5	20.3	2.4	26.4
	2012	3.8	11.9	0.1	17.0	3.9	28.9
	2013	3.2	8.0	0.2	15.7	3.3	23.7
Atka Mackerel	2009	0	0.8	0	28.8	0.1	29.6
	2010	0.1	0.6	0	29.5	0.1	30.1
	2011	0	0.8	0	29.5	0	30.4
	2012	0	0.6	0	29.9	0	30.5
	2013	0	0.7	0	16.2	0	16.9
All Groundfish	2009	83.7	65.8	91.4	445.8	175.1	511.6
	2010	100.6	81.0	94.2	409.9	194.7	490.9
	2011	135.4	108.1	113.9	638.4	249.3	746.5
	2012	131.2	111.7	110.2	707.6	241.4	819.4
	2013	91.8	88.7	102.9	594.5	194.7	683.2

Notes: These estimates include only catches counted against federal TACs. Ex-vessel value is calculated using prices on Table 18a. Please refer to Table 18a for a description of the price derivation. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. For catch for which the residence is unknown, there are either no data or the data have been suppressed to preserve confidentiality.

Source: NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), ADFG fish tickets, At-Sea Production Reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 23: Ex-vessel value of groundfish delivered to shoreside processors by processor group, 2008 - 2013 ; calculations based on COAR ($ millions)

Region	2008	2009	2010	2011	2012	2013
Bering Sea Pollock	260.1	172.5	168.1	254.4	270.3	231.3
AK Peninsula/Aleutians	24.2	11.3	5.5	12.0	19.6	14.9
Kodiak	67.0	41.7	59.9	77.4	87.7	68.3
South Central	26.0	25.5	27.0	44.8	37.0	26.4
Southeastern	36.3	30.8	33.6	44.8	43.3	28.4
All Regions	413.6	281.8	294.2	433.5	457.8	369.3

Table 24: Ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors by processor group, 2008 - 2013 ; calculations based on COAR (percent)

Region	2008	2009	2010	2011	2012	2013
Bering Sea Pollock	62.0	58.9	57.5	58.7	64.4	62.9
AK Peninsula/Aleutians	11.8	6.1	2.4	4.6	7.0	5.5
Kodiak	44.0	35.1	42.9	41.9	47.9	40.7
South Central	12.4	15.8	9.3	17.7	15.6	9.7
Southeastern	15.0	15.9	13.4	13.9	15.7	8.9
All Regions	33.6	29.5	24.5	29.8	32.8	26.4

Notes: These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values in Table 34. The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

Source: ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 25: Production and gross value of groundfish products in the fisheries off Alaska by species, 2009-2013, (1,000 metric tons product weight and million dollars).

		2009		2010		2011		2012		2013	
	Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Pollock	Whole Fish	2.04	$ 2.3	1.24	$ 1.6	2.01	$ 3.2	2.19	$ 2.2	2.48	$ 2.8
	Head And Gut	57.27	$ 85.7	60.81	$ 97.0	59.60	$ 109.1	48.15	$ 71.2	62.26	$ 100.0
	Roe	18.49	$ 162.9	16.45	$ 98.0	19.29	$ 152.9	18.16	$ 169.2	16.12	$ 115.6
	Deep-Skin Fillets	41.28	$ 166.6	40.28	$ 158.5	46.19	$ 171.0	55.49	$ 206.5	51.59	$ 184.5
	Other Fillets	76.57	$ 295.0	71.17	$ 263.8	120.72	$ 399.1	96.96	$ 314.0	125.07	$ 373.4
	Surimi	87.12	$ 249.8	103.59	$ 357.2	148.07	$ 418.0	167.04	$ 523.6	170.26	$ 377.5
	Minced Fish	22.10	$ 42.2	21.59	$ 41.6	30.99	$ 50.8	31.59	$ 54.3	30.94	$ 46.0
	Fish Meal	34.90	$ 42.0	38.32	$ 60.3	52.92	$ 82.5	52.52	$ 78.8	53.87	$ 92.9
	Other Products	22.91	$ 18.7	26.25	$ 26.3	33.97	$ 37.3	38.79	$ 48.6	33.81	$ 36.2
	All Products	362.68	$ 1,065.1	379.72	$ 1,104.3	513.75	$ 1,424.0	510.89	$ 1,468.4	546.41	$ 1,329.0
Sablefish	Head And Gut	6.79	$ 87.0	6.70	$ 104.3	6.86	$ 138.3	7.52	$ 113.4	7.35	$ 93.6
	Other Products	0.68	$ 7.1	0.49	$ 5.2	0.81	$ 9.1	0.63	$ 3.4	0.49	$ 2.6
	All Products	7.47	$ 94.0	7.18	$ 109.5	7.67	$ 147.4	8.16	$ 116.8	7.84	$ 96.2

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Table 25: Continued

		2009		2010		2011		2012		2013	
	Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Pacific Cod	Whole Fish	4.58	$ 5.5	3.01	$ 2.9	2.47	$ 3.7	3.27	$ 4.8	3.64	$ 3.9
	Head And Gut	72.28	$ 186.7	80.32	$ 232.4	106.07	$ 348.6	119.61	$ 354.1	104.38	$ 232.6
	Salted/Split	0.02	$ 0.0	*	$ *	*	$ *	*	$ *	*	$ *
	Roe	2.98	$ 4.6	5.05	$ 6.6	3.17	$ 4.9	3.86	$ 7.1	4.38	$ 9.1
	Fillets	11.48	$ 67.1	14.80	$ 86.8	15.79	$ 106.2	15.84	$ 103.1	18.50	$ 122.0
	Other Products	8.96	$ 16.3	12.29	$ 22.6	15.06	$ 33.3	14.17	$ 25.3	14.59	$ 21.9
	All Products	100.29	$ 280.1	115.47	$ 351.3	142.56	$ 496.7	156.75	$ 494.4	145.49	$ 389.5
Flatfish	Whole Fish	17.26	$ 22.7	18.51	$ 20.6	20.47	$ 28.8	25.07	$ 37.7	14.33	$ 38.1
	Head And Gut	101.13	$ 121.9	119.38	$ 152.3	141.36	$ 221.5	141.56	$ 240.5	149.85	$ 184.5
	Kirimi	*	$ *	*	$ *	*	$ *	*	$ *	*	$ *
	Fillets	0.04	$ 0.2	0.02	$ 0.1	0.03	$ 0.1	0.02	$ 0.1	0.05	$ 0.2
	Fish Meal	-	$ -	-	$ -	0	$ 0	0	$ 0	0.01	$ 0.0
	Other Products	4.00	$ 6.4	4.28	$ 9.2	3.46	$ 8.1	3.12	$ 6.4	2.02	$ 5.9
	All Products	122.43	$ 151.2	142.19	$ 182.2	165.32	$ 258.5	169.77	$ 284.8	166.26	$ 228.8
Rockfish	Whole Fish	2.28	$ 4.3	3.44	$ 6.8	3.61	$ 8.5	3.24	$ 7.0	3.79	$ 7.5
	Head And Gut	16.14	$ 31.6	20.15	$ 50.4	22.32	$ 84.0	22.66	$ 72.6	24.98	$ 58.0
	Other Products	0.49	$ 2.4	0.54	$ 2.2	0.43	$ 2.4	0.69	$ 5.2	0.40	$ 2.4
	All Products	18.91	$ 38.4	24.14	$ 59.3	26.35	$ 94.9	26.59	$ 84.7	29.17	$ 67.8
Atka Mackerel	Whole Fish	3.66	$ 3.3	2.15	$ 1.7	5.33	$ 5.3	5.63	$ 7.9	2.91	$ 5.3
	Head And Gut	37.34	$ 64.3	37.84	$ 72.7	27.41	$ 69.6	24.51	$ 67.0	11.67	$ 34.1
	Other Products	0	$ 0	0	$ 0	0	$ 0	0.03	$ 0.0	0	$ 0
	All Products	41.01	$ 67.7	39.99	$ 74.4	32.74	$ 74.9	30.17	$ 74.8	14.57	$ 39.4
All Species	Total	658.91	$ 1,708.5	713.69	$ 1,890.4	893.19	$ 2,507.6	907.81	$ 2,538.7	916.01	$ 2,166.4

Notes: Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: At-sea and shoreside production reports and commercial operators annual report. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 26: Price per pound of groundfish products in the fisheries off Alaska by species and processing mode, 2009-2013, (dollars).

		2009		2010		2011		2012		2013	
	Product	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Pollock	Whole Fish	$ 0.82	$ 0.34	$ 0.44	$ 0.58	$ 0.66	$ 0.73	$ 0.53	$ 0.45	$ 0.40	$ 0.52
	Head And Gut	$ 0.51	$ 0.80	$ 0.74	$ 0.72	$ 0.92	$ 0.65	$ 0.73	$ 0.60	$ 0.71	$ 0.76
	Roe	$ 4.83	$ 3.15	$ 3.51	$ 2.00	$ 3.94	$ 3.07	$ 5.03	$ 3.38	$ 3.73	$ 2.74
	Deep-Skin Fillets	$ 1.98	$ 1.55	$ 1.89	$ 1.57	$ 1.75	$ 1.52	$ 1.70	$ 1.67	$ 1.71	$ 1.41
	Other Fillets	$ 1.70	$ 1.79	$ 1.64	$ 1.72	$ 1.46	$ 1.53	$ 1.42	$ 1.52	$ 1.29	$ 1.41
	Surimi	$ 1.37	$ 1.23	$ 1.75	$ 1.37	$ 1.41	$ 1.16	$ 1.61	$ 1.26	$ 1.08	$ 0.94
	Minced Fish	$ 0.85	$ 0.98	$ 0.87	$ 0.89	$ 0.76	$ 0.70	$ 0.79	$ 0.74	$ 0.68	$ 0.65
	Fish Meal	$ 0.67	$ 0.48	$ 0.86	$ 0.63	$ 0.79	$ 0.65	$ 0.86	$ 0.56	$ 0.88	$ 0.72
	Other Products	$ 0.47	$ 0.31	$ 0.58	$ 0.37	$ 0.60	$ 0.44	$ 0.67	$ 0.53	$ 0.59	$ 0.43
	All Products	$ 1.45	$ 1.22	$ 1.49	$ 1.16	$ 1.36	$ 1.15	$ 1.44	$ 1.17	$ 1.17	$ 1.04
Pacific Cod	Whole Fish	$ 0.54	$ 0.54	$ 0.41	$ 0.45	$ 0.49	$ 0.73	$ 0.57	$ 0.73	$ 0.50	$ 0.46
	Head And Gut	$ 1.21	$ 0.92	$ 1.40	$ 1.01	$ 1.56	$ 1.31	$ 1.41	$ 1.18	$ 1.10	$ 0.64
	Salted/Split	$ -	$ 1.19	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *
	Roe	$ 0.64	$ 0.72	$ 0.58	$ 0.60	$ 0.76	$ 0.70	$ 0.81	$ 0.84	$ 0.77	$ 0.95
	Fillets	$ 2.90	$ 2.63	$ 2.41	$ 2.67	$ 2.43	$ 3.08	$ 1.51	$ 2.98	$ 0.82	$ 3.03
	Other Products	$ 0.82	$ 0.82	$ 1.03	$ 0.77	$ 1.26	$ 0.89	$ 0.91	$ 0.78	$ 0.53	$ 0.75
	All Products	$ 1.19	$ 1.43	$ 1.38	$ 1.38	$ 1.53	$ 1.65	$ 1.37	$ 1.51	$ 1.06	$ 1.48
Sablefish	Head And Gut	$ 5.40	$ 5.91	$ 6.40	$ 7.19	$ 7.83	$ 9.38	$ 5.31	$ 7.09	$ 5.19	$ 5.87
	Other Products	$ 1.27	$ 5.13	$ 1.94	$ 5.51	$ 1.20	$ 6.06	$ 1.29	$ 2.58	$ 0.82	$ 3.23
	All Products	$ 5.17	$ 5.83	$ 6.04	$ 7.08	$ 6.94	$ 9.04	$ 5.03	$ 6.74	$ 4.62	$ 5.74

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Table 26: Continued

		2009		2010		2011		2012		2013	
	Product	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Deep-Water Flatfish	Whole Fish	$ -	$ 0.47	$ -	$ 0.40	$ -	$ 0.42	$ *	$ *	$ -	$ 0.45
	Head And Gut	$ *	$ *	$ -	$ 0.53	$ -	$ 0.62	$ 0.90	$ 0.64	$ 0.52	$ 0.78
	Kirimi	$ -	$ -	$ -	$ -	$ -	$ *	$ -	$ -	$ -	$ -
	Fillets	$ -	$ 2.03	$ -	$ 1.51	$ -	$ 2.01	$ -	$ *	$ -	$ 1.66
	Other Products	$ -	$ *	$ -	$ -	$ *	$ -	$ -	$ -	$ -	$ -
	All Products	$ *	$ 1.12	$ -	$ 0.63	$ *	$ 0.58	$ 0.90	$ 0.64	$ 0.52	$ 0.61
Shallow-Water Flatfish	Whole Fish	$ *	$ 0.39	$ *	$ 0.51	$ *	$ 0.63	$ *	$ 0.63	$ -	$ 1.08
	Head And Gut	$ 0.51	$ 0.78	$ 0.63	$ 0.56	$ 0.64	$ 0.68	$ 0.77	$ 0.70	$ 0.46	$ 0.72
	Kirimi	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *
	Fillets	$ -	$ 2.72	$ -	$ 1.58	$ -	$ 2.06	$ -	$ 2.15	$ -	$ 1.62
	Other Products	$ -	$ *	$ -	$ 0.81	$ -	$ 0.14	$ -	$ *	$ -	$ *
	All Products	$ 0.51	$ 0.98	$ 0.63	$ 0.66	$ 0.64	$ 0.78	$ 0.77	$ 0.82	$ 0.46	$ 0.98
Arrowtooth	Whole Fish	$ *	$ 0.81	$ *	$ 0.41	$ -	$ 0.65	$ *	$ 0.47	$ *	$ 0.64
	Head And Gut	$ 0.47	$ 0.45	$ 0.47	$ 0.37	$ 0.69	$ 0.54	$ 0.81	$ 0.57	$ 0.54	$ 0.45
	Kirimi	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *
	Fillets	$ -	$ *	$ -	$ *	$ *	$ *	$ -	$ *	$ -	$ 1.74
	Other Products	$ 0.50	$ 0.37	$ 0.82	$ 0.71	$ 0.77	$ 0.85	$ 0.75	$ 0.46	$ 1.27	$ 1.40
	All Products	$ 0.47	$ 0.45	$ 0.47	$ 0.48	$ 0.70	$ 0.57	$ 0.81	$ 0.56	$ 0.55	$ 0.51
Flathead Sole	Whole Fish	$ 0.40	$ 0.39	$ 0.46	$ 0.49	$ 0.59	$ 0.53	$ 0.76	$ 0.62	$ 1.38	$ 1.06
	Head And Gut	$ 0.61	$ 0.66	$ 0.70	$ 0.55	$ 0.89	$ 0.53	$ 0.93	$ 0.61	$ 1.07	$ 0.68
	Kirimi	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *	$ -	$ *
	Fillets	$ -	$ 2.45	$ -	$ 1.90	$ *	$ 2.15	$ *	$ 2.00	$ -	$ 1.56
	Other Products	$ 0.49	$ 0.37	$ 0.88	$ 0.56	$ 0.82	$ 0.73	$ 0.75	$ 0.37	$ 1.35	$ 1.30
	All Products	$ 0.60	$ 0.53	$ 0.69	$ 0.56	$ 0.89	$ 0.60	$ 0.91	$ 0.59	$ 1.09	$ 0.98

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Table 26: Continued

		2009		2010		2011		2012		2013	
	Product	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Rex Sole	Whole Fish	$ 0.86	$ 0.90	$ 0.91	$ 0.91	$ 1.12	$ 1.02	$ 1.12	$ 1.12	$ 1.21	$ 0.94
	Head And Gut	$ *	$ *	$ *	$ *	$ *	$ *	$ *	$ *	$ 1.76	$ *
	Kirimi	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ *	$ -	$ *
	Fillets	$ -	$ *	$ -	$ *	$ -	$ 1.83	$ -	$ *	$ -	$ 1.31
	Other Products	$ -	$ *	$ -	$ *	$ -	$ 0.74	$ -	$ *	$ -	$ *
	All Products	$ 0.86	$ 0.90	$ 0.91	$ 0.91	$ 1.12	$ 1.03	$ 1.12	$ 1.12	$ 1.21	$ 0.94
Rock Sole	Whole Fish	$ 0.38	$ *	$ 0.35	$ 0.43	$ 0.53	$ *	$ 0.66	$ *	$ 0.50	$ *
	Head And Gut	$ 0.51	$ -	$ 0.56	$ -	$ 0.69	$ -	$ 0.80	$ -	$ 0.54	$ -
	Head And Gut With Roe	$ 0.89	$ -	$ 0.84	$ -	$ 1.05	$ -	$ 1.28	$ -	$ 0.85	$ -
	Fillets	$ -	$ -	$ -	$ -	$ *	$ -	$ -	$ -	$ *	$ -
	Other Products	$ 0.51	$ 0.37	$ 0.87	$ 0.56	$ 0.84	$ 0.74	$ 0.71	$ 0.37	$ 1.26	$ 1.30
	All Products	$ 0.61	$ 0.37	$ 0.61	$ 0.55	$ 0.77	$ 0.74	$ 0.91	$ 0.37	$ 0.58	$ 1.30
Turbot	Whole Fish	$ *	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Head And Gut	$ 1.40	$ -	$ 1.80	$ -	$ 2.65	$ *	$ 2.09	$ -	$ 1.95	$ -
	Other Products	$ 1.50	$ 0.37	$ 1.60	$ 0.56	$ 1.90	$ 0.70	$ 1.59	$ 0.37	$ 1.56	$ 1.33
	All Products	$ 1.43	$ 0.37	$ 1.74	$ 0.56	$ 2.45	$ 0.68	$ 1.96	$ 0.37	$ 1.86	$ 1.33
Yellowfin	Whole Fish	$ 0.48	$ *	$ 0.41	$ -	$ 0.55	$ -	$ 0.63	$ *	$ 1.34	$ *
	Head And Gut	$ 0.50	$ -	$ 0.54	$ -	$ 0.65	$ -	$ 0.63	$ -	$ 0.51	$ -
	Kirimi	$ *	$ -	$ *	$ -	$ *	$ -	$ -	$ -	$ -	$ -
	Fillets	$ -	$ -	$ -	$ -	$ -	$ -	$ *	$ -	$ -	$ -
	Other Products	$ 0.70	$ 0.37	$ 0.96	$ 0.96	$ 0.85	$ 0.85	$ 0.87	$ 0.88	$ 1.30	$ 1.30
	All Products	$ 0.50	$ 0.37	$ 0.52	$ 0.96	$ 0.63	$ 0.85	$ 0.63	$ 0.88	$ 0.58	$ 1.30

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Table 26: Continued

		2009		2010		2011		2012		2013	
	Product	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Flat Other	Whole Fish	$ 0.99	$ 0.70	$ 0.86	$ *	$ 1.05	$ 1.40	$ 0.81	$ *	$ 0.90	$ *
	Head And Gut	$ 0.44	$ -	$ 0.46	$ *	$ 0.51	$ *	$ 0.58	$ -	$ 0.49	$ -
	Fillets	$ -	$ -	$ -	$ -	$ *	$ -	$ -	$ -	$ -	$ -
	Other Products	$ 0.63	$ 0.38	$ 0.97	$ 0.56	$ 0.84	$ 0.74	$ 0.87	$ 0.37	$ 1.26	$ 1.30
	All Products	$ 0.55	$ 0.53	$ 0.52	$ 0.56	$ 0.56	$ 1.34	$ 0.64	$ 0.37	$ 0.57	$ 1.30
Rockfish	Whole Fish	$ 1.10	$ 0.77	$ 1.26	$ 0.74	$ 1.49	$ 0.94	$ 0.96	$ 0.98	$ 1.19	$ 0.84
	Head And Gut	$ 0.85	$ 1.14	$ 1.11	$ 1.32	$ 1.70	$ 1.74	$ 1.40	$ 1.75	$ 1.02	$ 1.32
	Other Products	$ 1.07	$ 2.27	$ 1.09	$ 1.83	$ 1.24	$ 2.76	$ 1.17	$ 3.48	$ 1.12	$ 2.85
	All Products	$ 0.86	$ 1.13	$ 1.11	$ 1.11	$ 1.69	$ 1.42	$ 1.38	$ 1.67	$ 1.03	$ 1.16
Atka Mackerel	Whole Fish	$ 0.41	$ *	$ 0.37	$ *	$ 0.45	$ 0.54	$ 0.63	$ 0.70	$ 0.83	$ *
	Head And Gut	$ 0.78	$ -	$ 0.87	$ -	$ 1.15	$ *	$ 1.24	$ -	$ 1.33	$ -
	Other Products	$ 0.45	$ 0.16	$ 0.56	$ 0.56	$ 0.64	$ 0.47	$ 0.71	$ 0.36	$ 1.12	$ 1.09
	All Products	$ 0.75	$ 0.16	$ 0.84	$ 0.56	$ 1.04	$ 0.54	$ 1.13	$ 0.66	$ 1.23	$ 1.09

Notes: These estimates are based on data from both federal and state of Alaska fisheries. Prices based on confidential data have been excluded. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: At-sea and shoreside production reports and Commercial Operators Annual Reports (COAR) (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 27: Total product value per round metric ton of retained catch in the groundfish fisheries off Alaska by processor type, species, area and year, 2009-2013, (dollars).

		Bering Sea & Aleutian Islands					Gulf of Alaska				
	Species	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013
Motherships	Pollock	1,034	-	1,219	1,153	808	-	-	-	-	-
	Pacific Cod	666	-	404	965	538	-	-	-	-	-
Catcher processors	Pollock	1,330	1,321	1,190	1,206	1,037	614	661	882	659	682
	Sablefish	7,566	8,663	10,176	7,853	7,675	7,005	8,727	11,279	6,772	6,834
	Pacific Cod	1,246	1,494	1,687	1,501	1,180	1,289	1,424	1,622	1,479	1,064
	Flatfish	703	746	913	1,003	780	1,192	1,064	992	1,064	912
	Rockfish	960	1,307	1,967	1,572	1,172	963	1,300	2,059	1,568	1,103
	Atka Mackerel	949	1,131	1,484	1,584	1,681	1,090	1,135	1,694	1,855	2,076
	Other	278	460	483	624	484	1,048	1,082	1,592	2,088	4,107
Shoreside processors	Pollock	1,279	1,256	1,047	1,089	940	852	882	920	865	998
	Sablefish	5,652	11,953	11,259	9,153	9,912	7,288	8,566	11,319	8,246	6,738
	Pacific Cod	1,136	1,457	1,682	1,632	1,277	1,408	1,328	1,570	1,463	1,503
	Flatfish	239	541	815	741	1,102	324	346	513	549	505
	Rockfish	887	1,634	1,731	1,661	1,425	1,214	1,317	1,865	1,830	1,469
	Other	195	708	424	888	707	3,767	2,756	2,836	3,470	4,148

Notes: These estimates include the product value of catch from both federal and state of Alaska fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: At-sea and shoreside production reports, commercial operators annual report (COAR), and NMFS Alaska Region catch accounting system estimates of retained catch (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 28: Production of groundfish products in the fisheries off Alaska by species, product and area, 2009-2013, (1,000 metric tons product weight).

		Bering Sea & Aleutian Islands					Gulf of Alaska				
	Product	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013
Pollock	Whole Fish	1.4	0.7	1.5	1.7	1.8	0.7	0.5	0.5	0.5	0.7
	Head And Gut	51.3	49.2	44.8	29.1	41.0	6.0	11.6	14.8	19.0	21.3
	Roe	17.9	15.3	18.0	16.5	13.9	0.6	1.1	1.3	1.7	2.2
	Deep-Skin Fillets	41.3	40.3	46.2	55.5	51.6	*	*	*	*	*
	Other Fillets	74.0	66.5	115.0	91.1	119.3	2.6	4.7	5.7	5.9	5.8
	Surimi	84.6	97.1	141.0	157.1	161.7	2.5	6.5	7.1	9.9	8.6
	Minced Fish	22.1	21.6	30.4	31.0	30.7	*	*	0.5	0.6	0.2
	Fish Meal	34.9	38.3	52.8	52.5	53.9	*	*	0.1	*	*
	Other Products	22.6	25.4	33.3	38.2	33.0	0.4	0.8	0.6	0.6	0.8
Sablefish	Head And Gut	1.0	1.2	1.0	1.2	1.1	5.8	5.5	5.9	6.3	6.2
	Other Products	0	0	0	0.1	0	0.6	0.4	0.8	0.6	0.5
Pacific Cod	Whole Fish	2.7	0.9	1.2	1.5	2.4	1.9	2.1	1.3	1.8	1.2
	Head And Gut	65.2	66.4	88.8	104.2	97.8	7.1	13.9	17.3	15.4	6.6
	Salted/Split	*	*	*	*	-	0	*	*	-	*
	Roe	2.2	3.9	1.8	2.4	2.8	0.7	1.2	1.3	1.5	1.6
	Fillets	4.7	5.6	6.6	6.8	8.8	6.7	9.2	9.2	9.1	9.7
	Other Products	5.0	7.0	9.0	7.9	10.0	3.9	5.2	6.0	6.3	4.6
Flatfish	Whole Fish	12.5	14.9	17.4	22.5	10.5	4.8	3.6	3.1	2.5	3.8
	Head And Gut	95.6	114.2	130.1	133.8	142.6	5.5	5.2	11.3	7.8	7.3
	Kirimi	*	*	*	-	-	*	*	*	*	*
	Fillets	-	-	*	*	*	0	0	0	0	0
	Fish Meal	-	-	0	0	0	-	-	-	-	-
	Other Products	4.0	3.4	3.1	3.1	2.0	*	0.9	0.3	0.1	0
Rockfish	Whole Fish	0.2	0.2	0.7	1.3	0.5	2.1	3.2	3.0	1.9	3.3
	Head And Gut	8.0	10.9	13.4	12.3	16.3	8.1	9.3	8.9	10.4	8.6
	Other Products	0	0	0	0.1	0	0.5	0.5	0.4	0.6	0.4
Atka Mackerel	Whole Fish	3.7	2.2	5.3	5.6	2.9	*	-	-	*	-
	Head And Gut	36.8	37.3	26.9	24.2	11.1	0.6	0.5	0.5	0.4	0.5
	Other Products	0	0	0	0	0	-	*	-	*	*

Notes: These estimates include production resulting from catch from federal and state of Alaska fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value. Confidential data withheld from this table are included in the grand totals in Table 25.

Source: At-sea and shoreside production reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 29: Production of groundfish products in the fisheries off Alaska by species, product and processing mode, 2009-2013, (1,000 metric tons product weight).

		At-sea					Shoreside				
	Product	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013
Pollock	Whole Fish	0.70	0.04	0.11	0.24	0.16	1.35	1.20	1.90	1.95	2.32
	Head And Gut	23.81	19.80	38.83	26.05	37.86	33.46	41.01	20.77	22.10	24.40
	Roe	9.30	7.64	11.66	9.30	8.37	9.20	8.81	7.63	8.86	7.75
	Deep-Skin Fillets	26.65	27.51	32.25	36.84	36.83	14.63	12.78	13.94	18.65	14.76
	Other Fillets	37.75	31.29	58.32	47.55	59.63	38.82	39.88	62.40	49.41	65.44
	Surimi	44.03	52.78	70.80	77.93	80.85	43.08	50.81	77.27	89.11	89.41
	Minced Fish	19.34	17.75	23.49	25.06	23.47	2.76	3.83	7.50	6.53	7.47
	Fish Meal	12.30	14.64	22.58	21.08	20.98	22.60	23.67	30.34	31.44	32.89
	Other Products	8.59	10.63	12.26	10.57	12.21	14.32	15.62	21.71	28.22	21.60
Sablefish	Head And Gut	1.27	1.03	1.03	1.08	1.05	5.52	5.67	5.83	6.44	6.30
	Other Products	0.07	0.09	0.16	0.08	0.16	0.61	0.40	0.65	0.55	0.33
Pacific Cod	Whole Fish	2.76	0.84	0.63	1.28	1.99	1.82	2.17	1.84	1.99	1.65
	Head And Gut	62.23	61.53	78.50	86.92	84.35	10.05	18.79	27.57	32.69	20.03
	Salted/Split	-	-	-	-	-	0.02	*	*	*	*
	Roe	0.89	0.57	0.46	0.62	0.38	2.09	4.48	2.71	3.24	3.99
	Fillets	0.96	0.85	0.71	0.32	0.28	10.52	13.95	15.08	15.52	18.21
	Other Products	2.04	3.02	4.62	3.11	4.32	6.92	9.26	10.44	11.06	10.27
Flatfish	Whole Fish	15.59	17.32	18.86	23.86	12.37	1.67	1.19	1.62	1.20	1.96
	Head And Gut	97.07	116.50	136.15	138.21	146.38	4.06	2.88	5.21	3.35	3.47
	Kirimi	*	*	*	-	-	*	*	*	*	*
	Fillets	-	-	*	*	*	0.04	0.02	0.03	0.02	0.05
	Fish Meal	-	-	0	0	0.01	-	-	-	*	-
	Other Products	2.30	2.45	2.46	2.23	1.61	1.69	1.83	1.00	0.89	0.41
Rockfish	Whole Fish	0.63	1.01	0.82	1.17	0.52	1.65	2.43	2.78	2.07	3.27
	Head And Gut	14.05	17.52	19.73	19.42	22.35	2.08	2.63	2.59	3.23	2.63
	Other Products	0.01	0.02	0.06	0.03	0.03	0.49	0.52	0.37	0.66	0.36
Atka Mackerel	Whole Fish	3.66	2.15	5.07	5.43	2.91	*	*	0.25	0.20	*
	Head And Gut	37.34	37.84	27.41	24.51	11.67	-	-	*	-	-
	Other Products	0	0	0	0	0	0	0	0	0.03	0

Notes: These estimates include production resulting from catch from federal and state of Alaska fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value. Confidential data withheld from this table are included in the grand totals in Table 25.

Source: At-sea and shoreside production reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 30: Production and real gross value of non-groundfish products in the commercial fisheries of Alaska by species group and area of processing, 2009-2013, (1,000 metric tons product weight and $ millions, base year = 2013).

		Bering Sea & Aleutian Islands		Gulf of Alaska		All Alaska	
	Species	Quantity	Value	Quantity	Value	Quantity	Value
2009	Salmon	58.1	$ 404.4	152.0	$ 780.3	210.1	$ 1,184.7
	Halibut	2.7	$ 28.8	16.1	$ 185.7	18.8	$ 214.5
	Herring	18.5	$ 27.6	17.1	$ 40.5	35.6	$ 68.1
	Crab	20.6	$ 252.5	5.2	$ 62.5	25.9	$ 315.0
	Other	*	$ *	1.4	$ 22.1	1.4	$ 22.1
	All Species	99.9	$ 713.3	191.9	$ 1,091.1	291.8	$ 1,804.4
2010	Salmon	63.3	$ 490.9	187.1	$ 988.5	250.4	$ 1,479.4
	Halibut	2.5	$ 47.3	13.5	$ 208.3	16.0	$ 255.6
	Herring	24.9	$ 29.1	22.2	$ 35.9	47.2	$ 65.0
	Crab	18.6	$ 258.0	4.2	$ 61.1	22.8	$ 319.1
	Other	0.2	$ 1.2	1.5	$ 27.7	1.8	$ 29.0
	All Species	109.5	$ 826.4	228.5	$ 1,321.6	338.0	$ 2,148.0
2011	Salmon	48.6	$ 414.5	198.7	$ 1,073.8	247.3	$ 1,488.3
	Halibut	2.8	$ 55.4	8.2	$ 145.6	11.0	$ 201.0
	Herring	20.4	$ 22.1	21.0	$ 22.8	41.4	$ 44.9
	Crab	19.5	$ 332.5	4.6	$ 77.4	24.1	$ 409.9
	Other	*	$ *	1.3	$ 23.5	1.3	$ 23.5
	All Species	91.3	$ 824.5	233.8	$ 1,343.1	325.1	$ 2,167.6
2012	Salmon	39.8	$ 334.1	168.3	$ 997.8	208.1	$ 1,331.9
	Halibut	2.0	$ 34.7	8.5	$ 133.5	10.5	$ 168.2
	Herring	16.2	$ 20.9	15.4	$ 30.3	31.6	$ 51.2
	Crab	29.0	$ 378.7	4.6	$ 69.7	33.6	$ 448.4
	Other	0	$ 0	1.7	$ 33.8	1.7	$ 34.5
	All Species	87.0	$ 769.1	198.6	$ 1,265.1	285.5	$ 2,034.2
2013	Salmon	34.6	$ 351.7	290.3	$ 1,451.2	325.0	$ 1,802.8
	Halibut	1.4	$ 15.1	7.5	$ 113.8	8.9	$ 128.9
	Herring	25.5	$ 25.0	11.6	$ 22.0	37.1	$ 46.9
	Crab	24.7	$ 326.0	3.0	$ 44.6	27.7	$ 370.6
	Other	0	$ 0	1.3	$ 25.5	1.3	$ 26.3
	All Species	86.3	$ 718.5	313.7	$ 1,657.1	400.0	$ 2,375.6

Notes: These estimates include production resulting from catch in both federal and state of Alaska fisheries. The data have been adjusted to 2013 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: http://data.bls.gov/cgi-bin/srgate. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: ADF&G Commercial Operators Annual Report (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 31: Gross product value of Alaska groundfish by area and processing mode, 1992-2013, ($ millions).

	Bering Sea & Aleutian Islands		Gulf of Alaska		All Alaska
Year	At-sea	Shoreside	At-sea	Shoreside	All Sectors
1992	844.4	329.4	71.1	186.7	1,431.5
1993	585.1	195.5	45.7	170.3	996.6
1994	640.1	267.2	37.1	186.0	1,130.4
1995	784.7	349.3	46.0	212.1	1,392.1
1996	706.0	296.1	48.5	181.1	1,231.7
1997	706.3	293.2	30.2	200.9	1,230.5
1998	599.4	258.3	28.3	184.4	1,070.4
1999	639.0	325.3	43.0	209.5	1,216.7
2000	691.9	416.1	41.5	209.5	1,359.0
2001	877.6	464.5	31.0	167.1	1,540.1
2002	810.3	477.5	36.5	157.6	1,482.0
2003	848.8	534.0	39.8	148.5	1,571.1
2004	955.0	519.0	32.6	167.6	1,674.2
2005	1,128.4	625.9	36.6	211.9	2,002.8
2006	1,174.7	610.2	48.3	221.3	2,054.5
2007	1,204.7	614.8	46.2	226.4	2,092.0
2008	1,298.2	641.0	47.3	253.6	2,240.2
2009	978.2	498.3	41.1	194.1	1,711.7
2010	1,064.8	518.7	50.3	262.4	1,896.2
2011	1,447.3	656.1	69.0	339.2	2,511.5
2012	1,469.3	699.4	51.5	322.4	2,542.7
2013	1,224.5	616.2	36.9	292.1	2,169.8

Notes: These estimates include the product value of catch from both federal and state of Alaska fisheries.

Source: At-sea and shoreside production reports and ADFG Commercial Operators Annual Reports (COAR) (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 32: Gross product value of Alaska groundfish by catcher/processor category, vessel length, and area, 2009-2013, ($ millions).

		Bering Sea & Aleutian Islands			Gulf of Alaska	
	Year	125-165	<125	>165	<125	>=125
Fixed Gear	2009	75.4	40.7	37.7	8.7	7.1
	2010	80.3	44.0	44.9	7.5	11.4
	2011	117.7	58.3	62.2	11.7	11.8
	2012	111.1	64.8	57.2	6.9	6.2
	2013	84.5	42.5	51.4	*	6.3
Fillet Trawl	2009	-	-	56.8	-	-
	2010	-	-	*	-	-
	2011	-	-	79.6	-	-
Head And Gut Trawl	2009	38.7	28.0	173.8	9.1	16.2
	2010	48.9	33.7	207.9	7.6	23.8
	2011	64.4	47.8	287.8	8.4	37.1
	2012	74.2	48.4	307.1	9.3	28.4
	2013	51.9	33.1	244.1	8.7	19.4
Surimi Trawl	2009	-	-	442.2	-	-
	2010	-	-	479.5	-	-
	2011	-	-	595.0	-	-
	2012	-	-	684.8	-	-
	2013	-	-	627.4	-	-
All Trawl	2009	38.7	28.0	672.8	9.1	16.2
	2010	48.9	33.7	687.4	7.6	23.8
	2011	64.4	47.8	962.4	8.4	37.1
	2012	74.2	48.4	992.0	9.3	28.4
	2013	51.9	33.1	871.6	8.7	19.4

Notes: These estimates include the product value of catch from both federal and state of Alaska fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: At-sea processor reports, Commercial Operators Annual Reports (COAR), and NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 33: Gross product value per vessel of Alaska groundfish by catcher/processor category, vessel length, and area 2009-2013, ($ millions).

		Bering Sea & Aleutian Islands			Gulf of Alaska	
	Year	125-165	<125	>165	<125	>=125
Fixed Gear	2009	4.2	3.1	3.4	0.9	0.5
	2010	4.7	2.9	4.5	0.8	1.0
	2011	7.8	4.2	7.8	1.5	1.1
	2012	7.4	5.0	6.4	1.0	0.8
	2013	5.6	3.5	5.7	*	0.9
Fillet Trawl	2009	-	-	18.9	-	-
	2010	-	-	*	-	-
	2011	-	-	26.5	-	-
Head And Gut Trawl	2009	9.7	4.7	15.8	1.8	1.2
	2010	12.2	6.7	18.9	2.5	1.7
	2011	16.1	9.6	24.0	2.1	2.9
	2012	18.6	9.7	23.6	2.3	2.2
	2013	13.0	11.0	18.8	2.9	1.8
Surimi Trawl	2009	-	-	36.9	-	-
	2010	-	-	36.9	-	-
	2011	-	-	49.6	-	-
	2012	-	-	48.9	-	-
	2013	-	-	44.8	-	-
All Trawl	2009	9.7	4.7	25.9	1.8	1.2
	2010	12.2	6.7	26.4	2.5	1.7
	2011	16.1	9.6	35.6	2.1	2.9
	2012	18.6	9.7	36.7	2.3	2.2
	2013	13.0	11.0	32.3	2.9	1.8

Notes: These estimates include the product value of catch from both federal and state of Alaska fisheries. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: At-sea processor reports, Commercial Operators Annual Reports (COAR), and NMFS permits. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 34: Gross product value of groundfish processed by shoreside processors by processor group, 2009-2013, ($ millions).

Region	2009	2010	2011	2012	2013
Bering Sea Pollock	453.1	510.1	675.8	699.4	636.0
AK Peninsula/Aleutians	20.6	20.5	44.2	61.1	35.9
Kodiak	90.0	128.5	161.7	168.5	157.2
South Central	31.7	36.2	58.3	48.5	34.3
Southeastern	33.1	41.5	51.2	51.0	35.8
All Regions	628.5	736.9	991.1	1,028.6	899.2

Table 35: Groundfish gross product value as a percentage of all-species gross product value by shoreside processor group, 2009-2013, (percent).

Region	2009	2010	2011	2012	2013
Bering Sea Pollock	69.4	72.8	72.8	75.7	74.3
AK Peninsula/Aleutians	5.7	4.5	8.8	11.8	6.9
Kodiak	34.5	42.9	46.4	46.0	41.6
South Central	12.2	7.2	13.8	10.2	5.4
Southeastern	8.8	8.8	8.3	9.8	5.7
All Regions	32.9	30.3	35.2	36.7	29.8

Notes: The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

Source: ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 36: Number of groundfish vessels that caught or caught and processed more than $19 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2013.

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Gear	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels
2013	Hook & Line	1	-	1	-	1	1	1	1	2
	Pot	-	-	-	1	1	2	1	1	2
	Trawl	-	7	7	1	23	24	1	23	24
	All Gear	1	7	8	2	25	27	3	25	28

Notes: Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was below the $19 million threshold was based on total revenue from catching or processing all species, not just groundfish. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings, CFEC fish tickets, at-sea production reports, NMFS permits. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 37a: Number of groundfish vessels that caught or caught and processed less than $19 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2013.

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Gear	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels
2013	Hook & Line	1,079	10	1,089	315	32	347	1,329	34	1,363
	Pot	120	-	120	58	2	60	160	2	162
	Trawl	69	7	76	101	11	112	141	12	153
	All Gear	1,198	17	1,215	462	45	507	1,549	48	1,597

Notes: Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was below the $19 million threshold was based on total revenue from catching or processing all species, not just groundfish. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings, CFEC fish tickets, at-sea production reports, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 37b: Number of groundfish vessels that caught or caught and processed less than $19 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2013. ; entity size based on vessel revenues and affiliated group revenues.

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Gear	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels
2013	Hook & Line	1,073	2	1,075	314	3	317	1,323	5	1,328
	Pot	116	-	116	32	1	33	132	1	133
	Trawl	32	1	33	18	-	18	41	1	42
	All Gear	1,153	3	1,156	353	4	357	1,418	7	1,425

Notes: Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel is above the $19 million threshold is based on the vessel's total revenue from catching or processing all species, not just groundfish. Entity size determination is additionally based on total vessel revenues of known affiliated groups (Amendment 80, AFA pollock, Central Gulf of Alaska rockfish, BSAI crab, and freezer longline cooperatives, as well as known corporate affiliations), whereby group revenue totaling over $4 million confers large entity status on all member vessels. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, at-sea production reports, NMFS permits, ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 38: Average revenue of groundfish vessels that caught or caught and processed more than $19 million ex-vessel value or product value of groundfish and other species, by area, vessel type, and gear, 2013; ($ millions).

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Gear	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors
2013	Hook & Line	*	-	-	*	*	*
	Pot	-	-	*	*	*	*
	Trawl	-	23.23	*	40.56	*	40.56

Notes: Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Commercial operators annual report (COAR), ADFG intent-to-operate listings, at-sea production reports, NMFS permits, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 39a: Average revenue of groundfish vessels that caught or caught and processed less than $19 million ex-vessel value or product value of groundfish and other species, by area, vessel type and gear, 2013; ($ millions).

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Gear	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors
2013	Hook & Line	0.36	6.98	0.29	6.84	0.31	6.56
	Pot	0.83	-	2.06	*	1.19	*
	Trawl	1.64	14.36	2.91	16.06	2.48	15.10

Notes: Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Commercial operators annual report (COAR), ADFG intent-to-operate listings, at-sea production reports, NMFS permits, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 39b: Average revenue of groundfish vessels that caught or caught and processed less than $19 million ex-vessel value or product value of groundfish and other species, by area, vessel type and gear,2013; entity size based on vessel revenues and affiliated group revenues ($ millions)

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Gear	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors
2013	Hook & Line	0.38	*	0.32	*	0.32	*
	Pot	0.96	-	1.25	*	0.99	*
	Trawl	2.80	*	3.56	-	2.66	*

Notes: Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel is above the $19 million threshold is based on the vessel's total revenue from catching or processing all species, not just groundfish. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Entity size determination is additionally based on total vessel revenues of known affiliated groups (Amendment 80, AFA pollock, Central Gulf of Alaska rockfish, BSAI crab, and freezer longline cooperatives, as well as known corporate affiliations), whereby group revenue totaling over $4 million confers large entity status on all member vessels. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, at-sea production reports, NMFS permits, ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 40: Number and total registered net tons of vessels that caught groundfish off Alaska by area and gear, 2006 - 2013

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Year	Number of Vessels	Registered net tons	Number of Vessels	Registered net tons	Number of Vessels	Registered net tons
Hook & Line	2006	643	25,346	87	14,276	682	31,767
	2007	615	23,097	73	12,793	646	29,355
	2008	656	22,952	87	13,471	699	30,288
	2009	647	23,584	81	13,649	686	30,544
	2010	658	23,296	80	12,629	690	29,194
	2011	728	23,771	80	11,097	764	29,112
	2012	733	21,845	72	10,784	775	28,942
	2013	1,090	29,124	348	15,532	1,365	38,678
Pot	2006	146	8,962	73	8,873	199	15,648
	2007	137	8,288	73	8,418	187	14,881
	2008	144	8,380	72	8,324	191	14,451
	2009	125	7,006	55	6,397	164	12,079
	2010	111	6,345	54	6,715	148	11,504
	2011	145	7,840	58	7,058	185	13,138
	2012	138	7,338	57	6,850	180	12,828
	2013	120	6,550	62	7,060	164	12,140
Trawl	2006	90	13,505	144	52,031	190	55,683
	2007	88	12,285	152	52,928	190	55,901
	2008	88	13,353	149	52,795	192	56,221
	2009	90	14,061	146	47,839	186	51,167
	2010	85	13,728	138	48,952	178	52,329
	2011	85	13,691	141	49,821	177	52,794
	2012	87	13,940	146	50,589	182	53,680
	2013	83	12,212	136	49,468	177	52,812
All Gear	2006	834	44,965	292	74,050	1,013	99,044
	2007	804	41,283	296	73,955	984	97,470
	2008	853	42,499	299	73,765	1,036	97,681
	2009	819	42,071	274	67,148	984	90,345
	2010	822	41,136	267	67,597	980	90,196
	2011	916	42,655	274	67,392	1,075	91,535
	2012	917	40,511	268	67,526	1,089	92,198
	2013	1,223	43,343	534	71,144	1,625	98,267

Notes: These estimates include only vessels fishing federal TACs. Registered net tons totals exclude mainly smaller vessels for which data were unavailable. Annually percentage of vessels missing is between 1-2%.

Source: NMFS Alaska Region Blend estimates, Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 41: Number of vessels that caught groundfish off Alaska by area, vessel category, gear and target, 2009 - 2013

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total
Hook & Line	Sablefish	2009	290	13	303	21	10	31	300	18	318
		2010	300	9	309	19	10	29	308	14	322
		2011	295	9	304	24	9	33	309	13	322
		2012	292	7	299	25	5	30	306	10	316
		2013	288	7	295	17	6	23	297	11	308
	Pacific Cod	2009	222	17	239	18	38	56	234	39	273
		2010	220	19	239	16	36	52	228	39	267
		2011	295	15	310	18	31	49	303	35	338
		2012	299	9	308	11	32	43	307	35	342
		2013	164	5	169	17	29	46	179	30	209
	Flatfish	2009	-	-	-	-	9	9	-	9	9
		2010	-	-	-	-	12	12	-	12	12
		2011	-	-	-	-	8	8	-	8	8
		2012	-	-	-	-	7	7	-	7	7
		2013	-	-	-	-	4	4	-	4	4
	Rockfish	2009	136	-	136	-	2	2	136	2	138
		2010	144	-	144	-	3	3	144	3	147
		2011	145	-	145	1	-	1	145	-	145
		2012	171	-	171	-	2	2	171	2	173
		2013	138	-	138	1	3	4	139	3	142
	All Groundfish	2009	583	22	605	36	40	76	598	42	640
		2010	600	22	622	33	39	72	608	40	648
		2011	672	19	691	42	35	77	687	37	724
		2012	695	15	710	34	34	68	711	38	749
		2013	510	10	520	31	33	64	528	35	563

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Table 41: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total
Pot	Pacific Cod	2009	123	2	125	43	4	47	152	5	157
		2010	111	-	111	44	6	50	138	6	144
		2011	143	1	144	47	5	52	173	5	178
		2012	136	1	137	49	5	54	171	5	176
		2013	120	-	120	56	3	59	158	3	161
Trawl	Pollock	2009	62	1	63	89	33	122	130	33	163
		2010	63	-	63	90	30	120	134	30	164
		2011	62	3	65	86	30	116	129	30	159
		2012	67	1	68	90	32	122	135	32	167
		2013	64	3	67	87	32	119	132	33	165
	Sablefish	2009	16	1	17	-	1	1	16	2	18
		2010	13	1	14	-	-	-	13	1	14
		2011	13	-	13	-	-	-	13	-	13
		2012	12	-	12	-	-	-	12	-	12
		2013	16	-	16	-	2	2	16	2	18
	Pacific Cod	2009	59	4	63	54	16	70	103	17	120
		2010	52	1	53	48	16	64	90	17	107
		2011	52	1	53	50	16	66	86	16	102
		2012	61	3	64	60	18	78	101	18	119
		2013	54	1	55	54	18	72	95	18	113
	Flatfish	2009	33	6	39	1	29	30	34	30	64
		2010	27	6	33	-	29	29	27	30	57
		2011	31	6	37	3	29	32	33	30	63
		2012	32	5	37	4	30	34	36	31	67
		2013	31	5	36	5	27	32	36	28	64

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Table 41: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total	Catcher Vessels	Catcher Proces-sors	Total
Trawl	Rockfish	2009	27	15	42	2	11	13	29	15	44
		2010	28	15	43	2	15	17	30	19	49
		2011	25	12	37	2	16	18	27	18	45
		2012	30	16	46	2	17	19	32	20	52
		2013	29	13	42	1	16	17	30	19	49
	Atka Mackerel	2009	-	-	-	1	12	13	1	12	13
		2010	-	1	1	2	7	9	2	8	10
		2011	-	1	1	5	9	14	5	9	14
		2012	-	-	-	3	11	14	3	11	14
		2013	-	2	2	3	10	13	3	11	14
	All Groundfish	2009	72	18	90	110	36	146	149	37	186
		2010	68	17	85	103	35	138	142	36	178
		2011	68	17	85	105	36	141	140	37	177
		2012	70	17	87	110	36	146	145	37	182
		2013	69	14	83	102	34	136	142	35	177
All Gear	All Groundfish	2009	735	42	777	191	78	269	857	81	938
		2010	747	39	786	182	77	259	859	79	938
		2011	842	37	879	198	73	271	959	76	1,035
		2012	861	33	894	191	73	264	985	78	1,063
		2013	667	24	691	188	70	258	792	73	865

Notes: The target is determined based on vessel, week, catching mode, NMFS area, and gear. These estimates include only vessels that fished part of federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System estimates, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 42: Number of vessels, mean length and mean net tonnage for vessels that caught groundfish off Alaska by area, vessel-length class (feet), and gear, 2009 - 2013 (excluding catcher-processors).

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Number of vessels	Hook & Line	2009	529	54	-	30	6	-	542	56	-
		2010	548	52	-	28	5	-	555	53	-
		2011	622	50	-	37	5	-	635	52	-
		2012	649	46	-	33	1	-	664	47	-
		2013	471	39	-	29	2	-	488	40	-
	Pot	2009	98	25	-	19	24	8	106	45	8
		2010	86	24	1	14	25	9	91	42	9
		2011	118	26	-	15	30	8	124	48	8
		2012	114	23	-	20	23	9	123	43	9
		2013	98	22	-	25	25	9	110	42	9
	Trawl	2009	28	44	-	7	75	28	28	93	28
		2010	25	43	-	5	70	28	26	88	28
		2011	23	45	-	1	76	28	23	89	28
		2012	23	47	-	6	74	30	24	91	30
		2013	25	44	-	2	71	29	25	88	29
Mean vessel length (feet)	Hook & Line	2009	44	72	-	48	83	-	45	73	-
		2010	44	72	-	47	77	-	45	72	-
		2011	43	73	-	47	78	-	44	74	-
		2012	44	72	-	48	98	-	44	73	-
		2013	45	73	-	43	82	-	45	73	-
	Pot	2009	54	87	-	56	105	134	54	96	134
		2010	54	91	133	56	105	134	55	98	134
		2011	53	92	-	57	107	135	54	100	135
		2012	53	91	-	57	108	134	54	100	134
		2013	54	90	-	56	109	135	54	100	135

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Table 42: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Mean vessel length (feet)	Trawl	2009	58	94	-	58	107	155	58	102	155
		2010	58	93	-	58	106	155	58	101	155
		2011	58	93	-	58	105	155	58	101	155
		2012	58	94	-	56	106	157	57	101	157
		2013	58	94	-	58	107	156	58	102	156
Mean Registered net tons	Hook & Line	2009	26	60	-	36	96	-	26	63	-
		2010	25	62	-	36	87	-	26	64	-
		2011	25	64	-	32	100	-	25	67	-
		2012	24	64	-	36	156	-	25	66	-
		2013	27	60	-	32	102	-	27	62	-
	Pot	2009	45	92	-	61	126	128	48	109	128
		2010	46	96	97	66	115	145	49	106	140
		2011	43	100	-	67	117	147	46	109	147
		2012	44	101	-	68	123	145	48	112	145
		2013	45	97	-	67	119	145	50	109	145
	Trawl	2009	65	103	-	67	115	238	65	111	238
		2010	69	103	-	67	116	238	69	111	238
		2011	69	101	-	75	114	238	69	109	238
		2012	69	102	-	59	114	244	67	110	244
		2013	67	100	-	62	115	241	67	109	241

Notes: If the permit files do not report a length for a vessel, the vessel is counted in the "less than 60 feet" class. These estimates include only vessels that fished part of federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, ADFG fish tickets, observer data, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 43: Number of smaller hook-and-line vessels that caught groundfish off Alaska, by area and vessel-length class (feet), 2009 - 2013 (excluding catcher-processors)

		Year	<26	26-29	30-34	35-39	40-44	45-49	50-54	55-60	>=60
Number of vessels	Gulf of Alaska	2009	18	10	66	71	108	77	62	117	54
		2010	17	11	71	72	108	89	58	122	52
		2011	32	17	89	80	119	98	63	124	50
		2012	25	19	88	89	135	102	67	124	46
		2013	13	6	52	54	103	72	63	108	39
	Bering Sea & Aleutian Islands	2009	1	-	3	3	2	5	6	10	6
		2010	1	-	3	4	2	4	4	10	5
		2011	1	-	5	5	3	6	5	12	5
		2012	-	-	3	6	3	5	4	12	1
		2013	2	3	5	3	1	3	2	10	2
	All Alaska	2009	19	10	68	72	108	80	65	120	56
		2010	18	11	72	74	108	90	58	124	53
		2011	33	17	91	83	119	98	64	130	52
		2012	25	19	89	94	136	103	68	130	47
		2013	15	9	54	57	103	72	63	115	40

Notes: If the permit files do not report a length for a vessel, the vessel is counted in the "<26" class. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, ADFG fish tickets, observer data, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 44: Number of vessels, mean length and mean net tonnage for vessels that caught and processed groundfish off Alaska by area, vessel-length class (feet), and gear, 2009 - 2013

			Gulf of Alaska					Bering Sea & Aleutian Islands					All Alaska				
		Year	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Number of vessels	Hook & Line	2009	12	5	5	-	-	16	15	9	-	-	18	15	9	-	-
		2010	14	4	4	-	-	17	14	8	-	-	18	14	8	-	-
		2011	12	3	4	-	-	17	12	6	-	-	19	12	6	-	-
		2012	11	2	2	-	-	15	12	7	-	-	19	12	7	-	-
		2013	4	4	2	-	-	15	11	7	-	-	17	11	7	-	-
	Pot	2009	1	1	-	-	-	2	1	1	-	-	2	2	1	-	-
		2010	-	-	-	-	-	3	2	1	-	-	3	2	1	-	-
		2011	-	1	-	-	-	2	2	1	-	-	2	2	1	-	-
		2012	-	1	-	-	-	2	2	1	-	-	2	2	1	-	-
		2013	-	-	-	-	-	-	2	1	-	-	-	2	1	-	-
	Trawl	2009	5	3	8	1	1	6	4	10	3	13	7	4	10	3	13
		2010	3	3	9	1	1	5	4	9	3	14	6	4	9	3	14
		2011	4	2	9	1	1	5	4	10	3	14	6	4	10	3	14
		2012	4	2	9	1	1	5	4	10	3	14	6	4	10	3	14
		2013	3	2	8	1	-	3	4	10	3	14	4	4	10	3	14
Mean vessel length (feet)	Hook & Line	2009	106	147	175	-	-	112	146	179	-	-	109	147	177	-	-
		2010	103	152	177	-	-	108	147	177	-	-	106	148	177	-	-
		2011	99	150	177	-	-	109	147	176	-	-	105	148	176	-	-
		2012	97	144	177	-	-	109	147	176	-	-	104	147	177	-	-
		2013	91	153	177	-	-	114	146	178	-	-	109	148	178	-	-
	Pot	2009	104	165	-	-	-	106	165	166	-	-	105	165	166	-	-
		2010	-	-	-	-	-	112	165	166	-	-	112	165	166	-	-
		2011	-	165	-	-	-	101	165	166	-	-	101	165	166	-	-
		2012	-	165	-	-	-	114	165	166	-	-	114	165	166	-	-
		2013	-	-	-	-	-	-	165	166	-	-	-	165	166	-	-

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Table 44: Continued

			Gulf of Alaska					Bering Sea & Aleutian Islands					All Alaska				
		Year	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Mean vessel length (feet)	Trawl	2009	106	144	209	238	295	111	148	204	245	308	109	146	206	243	307
		2010	107	144	204	238	295	112	148	204	245	305	110	146	204	243	305
		2011	107	146	204	238	295	114	148	204	245	305	111	147	204	243	305
		2012	111	150	204	238	295	114	148	204	245	305	112	148	204	243	305
		2013	113	146	201	238	-	118	148	204	245	305	115	147	202	243	305
	Hook & Line	2009	128	266	607	-	-	134	296	574	-	-	132	289	586	-	-
		2010	132	282	629	-	-	133	309	493	-	-	133	303	538	-	-
		2011	118	331	629	-	-	128	321	549	-	-	124	323	581	-	-
		2012	117	346	652	-	-	126	321	504	-	-	122	325	537	-	-
		2013	109	312	652	-	-	133	338	582	-	-	128	331	598	-	-
Mean Registered net tons	Pot	2009	111	135	-	-	-	105	793	192	-	-	107	464	192	-	-
		2010	-	-	-	-	-	159	464	192	-	-	159	464	192	-	-
		2011	-	135	-	-	-	123	464	192	-	-	123	354	192	-	-
		2012	-	135	-	-	-	123	464	192	-	-	123	354	192	-	-
		2013	-	-	-	-	-	-	464	192	-	-	-	464	192	-	-
	Trawl	2009	130	214	641	611	693	138	254	588	985	1,647	134	237	611	892	1,579
		2010	121	214	584	611	693	138	254	584	985	1,711	132	237	584	892	1,643
		2011	124	256	584	611	693	134	254	588	985	1,711	130	254	586	892	1,643
		2012	122	255	584	611	693	134	254	588	985	1,711	129	254	586	892	1,643
		2013	118	256	584	611	-	133	254	588	985	1,711	126	254	586	892	1,711

Notes: If the permit files do not report a length for a vessel, the vessel is counted in the "less than 125 feet" class. These estimates include only vessels that fished part of federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 45: Number of vessels that caught groundfish off Alaska by area, tonnage caught, and gear, 2006 - 2013

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Year	<2 MT	2-25MT	>25MT	<2 MT	2-25MT	>25MT	<2 MT	2-25MT	>25MT
Hook & Line	2006	240	201	202	12	23	52	252	220	226
	2007	229	167	218	10	18	45	237	182	240
	2008	248	201	207	10	24	53	257	224	234
	2009	201	197	207	7	15	54	208	209	234
	2010	203	200	219	3	22	47	206	221	244
	2011	239	229	223	8	21	48	247	248	252
	2012	231	238	241	9	15	44	239	252	272
	2013	152	136	232	10	7	47	162	143	269
Pot	2006	41	15	90	3	13	57	44	28	129
	2007	23	20	94	3	4	66	25	24	146
	2008	25	30	89	4	4	64	29	34	138
	2009	19	29	77	1	7	47	20	36	113
	2010	13	9	89	1	5	48	14	14	121
	2011	39	6	100	1	1	56	40	7	141
	2012	34	17	87	1	-	56	35	17	132
	2013	21	12	87	4	5	53	25	17	130
Trawl	2006	-	-	90	-	2	142	-	2	190
	2007	1	2	85	-	1	151	1	3	189
	2008	1	1	86	-	3	146	1	4	191
	2009	2	2	86	-	1	145	2	3	183
	2010	1	-	84	1	-	137	2	-	176
	2011	-	5	80	-	1	140	-	6	173
	2012	-	1	86	-	5	141	-	6	182
	2013	-	1	82	-	2	134	-	3	176
All Gear	2006	279	214	366	14	37	248	293	247	524
	2007	252	189	379	13	23	260	262	209	554
	2008	273	230	361	14	29	260	286	257	535
	2009	222	226	351	7	23	241	229	246	504
	2010	217	208	368	5	27	229	222	234	515
	2011	277	240	378	9	23	239	286	261	534
	2012	265	256	394	10	20	237	274	275	560
	2013	173	149	378	14	14	232	187	163	546

Notes: These estimates include only vessels fishing part of federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Blend estimates, Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 46: Number of vessels that caught groundfish off Alaska by area, residency, gear, and target, 2009 - 2013

			Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Year	Alaska	Other	Alaska	Other	Alaska	Other
Hook & Line	Pollock	2009	1	-	-	-	1	-
		2010	1	-	-	-	1	-
		2011	5	-	1	-	6	-
		2012	1	-	-	-	1	-
		2013	4	-	-	2	4	2
	Sablefish	2009	216	87	17	14	225	93
		2010	224	85	16	13	230	92
		2011	220	84	19	14	232	90
		2012	215	84	19	11	226	90
		2013	218	77	12	11	224	84
	Pacific Cod	2009	209	30	25	31	222	51
		2010	211	28	21	31	220	47
		2011	275	35	23	26	284	54
		2012	285	23	19	24	298	44
		2013	151	18	22	24	172	37
	Flatfish	2009	-	-	-	9	-	9
		2010	-	-	2	10	2	10
		2011	-	-	2	6	2	6
		2012	-	-	-	7	-	7
		2013	-	-	-	4	-	4
	Rockfish	2009	121	15	-	2	121	17
		2010	127	17	-	3	127	20
		2011	129	16	1	-	129	16
		2012	152	19	-	2	152	21
		2013	124	14	1	3	125	17
	All Groundfish	2009	486	119	39	37	501	139
		2010	504	118	37	35	512	136
		2011	562	129	41	36	575	149
		2012	590	120	36	32	609	140
		2013	419	101	32	32	440	123
Pot	Pacific Cod	2009	107	18	18	29	114	43
		2010	93	18	21	29	102	42
		2011	123	21	19	33	131	47
		2012	117	20	21	33	127	49
		2013	102	18	22	37	114	47
Trawl	Pollock	2009	27	36	14	108	34	129
		2010	30	33	14	106	38	126
		2011	26	39	9	107	30	129
		2012	27	41	8	114	30	137
		2013	26	41	9	110	30	135

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Table 46: Continued

			Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Year	Alaska	Other	Alaska	Other	Alaska	Other
Trawl	Sablefish	2009	8	9	1	-	9	9
		2010	5	9	-	-	5	9
		2011	6	7	-	-	6	7
		2012	5	7	-	-	5	7
		2013	5	11	-	2	5	13
	Pacific Cod	2009	30	33	8	62	36	84
		2010	25	28	5	59	28	79
		2011	19	34	8	58	21	81
		2012	26	38	9	69	28	91
		2013	26	29	6	66	27	86
	Flatfish	2009	17	22	7	23	23	41
		2010	15	18	8	21	22	35
		2011	13	24	3	29	16	47
		2012	12	25	2	32	14	53
		2013	13	23	1	31	14	50
	Rockfish	2009	18	24	2	11	18	26
		2010	19	24	3	14	20	29
		2011	12	25	1	17	13	32
		2012	14	32	-	19	14	38
		2013	14	28	1	16	15	34
	Atka Mackerel	2009	-	-	1	12	1	12
		2010	-	1	-	9	-	10
		2011	-	1	-	14	-	14
		2012	-	-	-	14	-	14
		2013	-	2	-	13	-	14
	All Groundfish	2009	37	53	16	130	41	145
		2010	36	49	15	123	40	138
		2011	27	58	11	130	31	146
		2012	28	59	11	135	32	150
		2013	29	54	10	126	33	144
All Gear	All Groundfish	2009	597	180	73	196	622	316
		2010	610	176	74	185	633	305
		2011	683	196	73	198	707	328
		2012	706	188	66	198	738	325
		2013	527	164	66	192	563	302

Notes: The target is determined based on vessel, week, processing mode, NMFS area, and gear. Vessels are classified by the residency of the owner of the fishing vessel. These estimates include only vessels fishing part of federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 47: Number of vessels that caught groundfish off Alaska by month, area, vessel type, and gear, 2009 - 2013

			Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Gulf of Alaska	Catcher Vessels	Hook & Line	2009	103	68	79	189	253	127	109	118	161	104	23	9	583
			2010	87	76	97	184	235	128	139	135	174	82	30	16	600
			2011	89	80	142	246	184	135	125	94	186	137	34	59	672
			2012	88	126	219	238	262	186	128	144	182	122	55	37	695
			2013	57	87	163	218	209	184	103	121	104	121	57	31	510
		Pot	2009	71	79	52	45	1	-	-	-	21	27	12	-	123
			2010	69	88	43	8	2	1	-	-	45	23	1	2	111
			2011	72	107	79	-	1	-	-	1	56	51	4	25	144
			2012	64	91	105	1	1	-	-	-	42	39	27	19	137
			2013	75	56	77	5	-	-	-	-	14	14	13	12	120
		Trawl	2009	46	50	49	22	20	19	11	35	38	50	13	6	72
			2010	52	53	48	38	25	17	15	37	53	50	12	3	68
			2011	39	42	51	29	19	13	8	20	50	54	7	1	68
			2012	33	57	53	27	20	16	13	22	59	57	19	4	70
			2013	38	52	58	18	22	17	8	40	42	48	18	2	69
		All Gear	2009	218	195	175	252	274	146	120	153	218	173	48	15	735
			2010	206	208	184	230	262	146	154	172	265	153	43	21	747
			2011	198	226	260	274	204	148	133	115	290	240	45	85	842
			2012	185	267	370	265	283	202	141	165	283	215	101	60	861
			2013	168	194	292	241	231	201	111	161	160	182	88	45	667
	Catcher Processors	Hook & Line	2009	2	14	4	7	10	1	2	4	2	5	4	-	22
			2010	3	17	5	3	5	3	2	3	11	6	-	-	22
			2011	10	8	1	5	4	2	2	2	6	5	2	3	19
			2012	7	4	4	7	4	3	2	1	2	4	2	1	15
			2013	1	2	3	4	3	6	4	2	1	-	2	1	10
		Pot	2009	-	2	-	-	-	-	-	-	-	-	-	-	2
			2011	1	1	-	-	-	-	-	-	-	-	-	-	1
			2012	1	-	-	-	-	-	-	-	-	-	-	-	1
		Trawl	2009	-	2	1	5	2	-	17	4	3	3	1	1	18
			2010	-	1	4	5	2	-	16	1	1	2	2	2	17
			2011	-	1	3	6	1	4	14	3	2	3	2	-	17
			2012	2	1	-	5	1	1	17	6	1	2	1	1	17
			2013	-	1	3	3	2	4	13	3	1	2	4	2	14
		All Gear	2009	2	18	5	12	12	1	19	8	5	8	5	1	42
			2010	3	18	9	8	7	3	18	4	12	8	2	2	39
			2011	11	10	4	11	5	6	16	5	8	8	4	3	37
			2012	10	5	4	12	5	4	19	7	3	6	3	2	33
			2013	1	3	6	7	5	10	17	5	2	2	6	3	24

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Table 47: Continued

			Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Bering Sea & Aleutian Islands	Catcher Vessels	Hook & Line	2009	7	8	9	2	5	10	8	13	10	6	1	2	36
			2010	2	4	2	2	9	12	13	14	14	5	3	-	33
			2011	4	4	4	4	12	13	19	17	17	8	2	-	42
			2012	3	4	4	3	11	11	16	13	9	7	3	-	34
			2013	4	3	5	5	5	15	11	11	8	4	3	-	31
		Pot	2009	28	14	15	7	12	8	6	4	6	11	6	5	51
			2010	28	9	15	5	5	3	2	2	11	18	12	-	48
			2011	35	12	16	6	9	6	3	3	29	32	3	-	53
			2012	38	18	8	9	3	2	1	1	22	16	5	8	52
			2013	38	23	10	12	3	3	1	2	9	16	7	21	59
		Trawl	2009	65	96	103	49	-	68	71	66	30	10	1	-	110
			2010	47	89	99	58	-	59	67	64	29	12	-	-	103
			2011	53	94	91	74	1	69	72	69	56	49	4	-	105
			2012	66	88	100	51	2	71	74	74	55	25	14	-	110
			2013	78	91	94	59	3	71	74	67	41	16	2	-	102
		All Gear	2009	100	118	127	58	17	85	85	83	46	27	8	7	191
			2010	77	102	116	65	14	74	82	80	54	35	15	-	182
			2011	92	110	111	84	21	88	94	89	102	89	9	-	198
			2012	107	110	112	63	16	84	91	88	86	48	22	8	191
			2013	120	117	109	76	11	89	86	80	58	36	11	21	188
	Catcher Processors	Hook & Line	2009	37	37	14	9	5	8	15	35	36	35	34	32	40
			2010	36	36	13	7	8	9	15	25	27	28	26	20	39
			2011	23	27	29	24	15	15	23	27	30	31	28	24	35
			2012	24	27	29	25	14	22	30	30	31	28	27	29	34
			2013	26	26	25	18	13	13	21	28	27	29	28	26	33
		Pot	2009	3	2	1	1	2	2	-	-	3	3	3	3	4
			2010	2	3	2	3	3	3	-	2	4	3	2	1	6
			2011	5	-	1	2	1	-	-	-	2	3	1	1	5
			2012	5	2	1	1	1	1	1	1	3	3	3	-	5
			2013	3	2	-	-	-	-	-	-	3	3	3	2	3
		Trawl	2009	31	34	34	26	15	18	29	32	29	22	8	-	36
			2010	28	33	32	22	19	24	28	29	25	20	12	2	35
			2011	27	34	33	31	21	32	32	31	33	32	25	6	36
			2012	28	33	33	19	20	33	28	30	33	20	14	4	36
			2013	28	31	32	25	19	33	28	32	31	24	13	6	34
		All Gear	2009	71	73	49	36	21	28	44	67	68	60	45	35	78
			2010	66	71	47	32	30	36	43	56	56	51	40	23	77
			2011	55	61	63	57	37	47	55	58	65	65	54	31	73
			2012	57	62	63	45	35	56	59	61	67	51	44	33	73
			2013	57	59	57	43	32	46	49	60	61	56	44	34	70

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Table 47: Continued

			Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
All Alaska	Catcher Vessels	Hook & Line	2009	110	74	87	191	258	135	116	131	169	110	24	11	598
			2010	89	78	99	185	242	139	147	148	184	86	33	16	608
			2011	91	83	146	250	195	147	142	110	197	143	36	59	687
			2012	91	130	223	241	272	194	143	154	190	129	58	37	711
			2013	61	90	168	223	214	197	112	131	112	125	59	31	528
		Pot	2009	96	90	62	52	13	8	6	4	27	38	18	5	159
			2010	95	95	56	13	7	4	2	2	56	39	13	2	142
			2011	101	115	91	6	10	6	3	4	84	83	7	25	180
			2012	99	105	113	10	4	2	1	1	63	54	31	27	175
			2013	110	77	87	17	3	3	1	2	23	30	20	33	161
		Trawl	2009	111	145	140	70	20	80	82	100	67	60	14	6	149
			2010	99	135	134	92	25	72	79	98	82	60	12	3	142
			2011	92	124	134	99	20	77	78	87	105	102	11	1	140
			2012	99	140	137	74	22	83	86	95	111	81	33	4	145
			2013	116	136	136	75	25	82	80	96	79	61	20	2	142
		All Gear	2009	315	307	284	309	289	222	204	235	261	200	56	22	857
			2010	281	299	285	290	274	215	228	248	315	183	58	21	859
			2011	282	319	359	354	224	230	223	201	384	326	54	85	959
			2012	289	368	466	324	297	279	230	249	364	260	122	68	985
			2013	285	301	385	315	242	282	193	229	213	215	98	66	792
	Catcher Processors	Hook & Line	2009	38	38	16	13	12	9	17	37	38	37	36	32	42
			2010	38	38	17	8	12	10	16	27	32	31	26	20	40
			2011	29	31	29	26	17	17	25	28	34	33	28	25	37
			2012	27	29	31	29	17	24	31	31	33	31	29	30	38
			2013	27	27	27	20	15	19	23	29	28	29	29	27	35
		Pot	2009	3	4	1	1	2	2	-	-	3	3	3	3	5
			2010	2	3	2	3	3	3	-	2	4	3	2	1	6
			2011	5	1	1	2	1	-	-	-	2	3	1	1	5
			2012	5	2	1	1	1	1	1	1	3	3	3	-	5
			2013	3	2	-	-	-	-	-	-	3	3	3	2	3
		Trawl	2009	31	35	35	29	17	18	34	34	30	24	9	1	37
			2010	28	34	33	25	20	24	31	30	26	21	13	4	36
			2011	27	35	34	34	22	33	35	33	34	33	27	6	37
			2012	29	33	33	20	21	34	34	33	33	21	15	5	37
			2013	28	32	33	27	20	34	30	33	32	25	14	7	35
		All Gear	2009	72	76	52	43	30	29	51	71	71	64	48	36	81
			2010	68	74	52	36	35	37	47	59	62	55	41	25	79
			2011	61	66	64	62	40	50	60	61	70	68	56	32	76
			2012	61	64	65	50	39	59	66	65	69	55	47	35	78
			2013	58	61	60	47	35	53	53	62	63	57	46	36	73

Notes: These estimates include only vessels fishing part of federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 48: Catcher vessel (excluding catcher-processors) weeks of fishing groundfish off Alaska by area, vessel-length class (feet), gear, and target, 2009 - 2013

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Hook & Line	Sablefish	2009	733	177	-	53	16	-	786	193	-
		2010	795	193	-	59	16	-	854	209	-
		2011	800	183	-	68	11	-	868	194	-
		2012	961	208	-	80	9	-	1,041	217	-
		2013	1,042	228	-	56	9	-	1,098	237	-
	Pacific Cod	2009	1,131	48	-	62	-	-	1,194	48	-
		2010	998	25	-	71	0	-	1,069	25	-
		2011	1,191	43	-	107	1	-	1,298	44	-
		2012	1,626	36	-	57	-	-	1,683	36	-
		2013	922	16	-	68	-	-	990	16	-
	Rockfish	2009	338	6	-	-	-	-	338	6	-
		2010	431	4	-	-	-	-	431	4	-
		2011	438	1	-	1	-	-	439	1	-
		2012	550	3	-	-	-	-	550	3	-
		2013	463	2	-	0	-	-	463	2	-
	All Groundfish	2009	2,214	231	-	115	16	-	2,329	247	-
		2010	2,235	223	-	130	16	-	2,365	239	-
		2011	2,435	227	-	176	12	-	2,611	239	-
		2012	3,139	247	-	137	9	-	3,276	256	-
		2013	2,440	246	-	124	9	-	2,564	255	-
Pot	Pacific Cod	2009	630	146	-	114	65	21	745	211	21
		2010	585	140	2	103	129	32	688	269	34
		2011	840	185	-	123	153	35	963	338	35
		2012	703	271	-	176	103	37	879	374	37
		2013	568	165	-	198	98	25	766	263	25

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Table 48: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Trawl	Pollock	2009	95	130	-	-	783	449	95	912	449
		2010	194	324	-	1	713	433	195	1,037	433
		2011	169	289	-	-	996	601	169	1,284	601
		2012	183	359	-	-	894	606	183	1,254	606
		2013	85	356	-	-	862	574	85	1,218	574
	Sablefish	2009	13	16	-	-	-	-	13	16	-
		2010	12	9	-	-	-	-	12	9	-
		2011	-	12	-	-	-	-	-	12	-
		2012	-	8	-	-	-	-	-	8	-
		2013	-	22	-	-	-	-	-	22	-
	Pacific Cod	2009	102	71	-	28	223	23	130	294	23
		2010	37	128	-	18	197	25	55	325	25
		2011	29	122	-	1	255	36	30	377	36
		2012	85	129	-	18	266	47	103	395	47
		2013	115	90	-	8	246	39	123	336	39
	Flatfish	2009	16	324	-	-	-	4	16	324	4
		2010	16	193	-	-	-	-	16	193	-
		2011	2	188	-	-	0	16	2	189	16
		2012	6	127	-	-	1	28	6	128	28
		2013	7	159	-	-	0	47	7	159	47
	Rockfish	2009	3	80	-	-	-	9	3	80	9
		2010	4	90	-	-	-	5	4	90	5
		2011	-	78	-	-	-	6	-	78	6
		2012	9	103	-	-	-	6	9	103	6
		2013	7	90	-	-	-	9	7	90	9

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Table 48: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Trawl	Atka Mackerel	2009	-	-	-	-	-	14	-	-	14
		2010	-	-	-	-	1	13	-	1	13
		2011	-	-	-	-	3	15	-	3	15
		2012	-	-	-	-	-	22	-	-	22
		2013	-	-	-	-	-	7	-	-	7
	All Groundfish	2009	228	623	-	28	1,006	499	256	1,629	499
		2010	263	745	-	19	911	476	282	1,656	476
		2011	200	691	-	1	1,254	673	201	1,945	673
		2012	284	728	-	18	1,161	708	302	1,889	708
		2013	214	717	-	8	1,108	676	222	1,825	676
All Gear	All Groundfish	2009	3,072	1,001	-	270	1,156	538	3,342	2,157	538
		2010	3,087	1,107	2	252	1,105	530	3,339	2,212	532
		2011	3,479	1,102	-	300	1,479	725	3,779	2,581	725
		2012	4,127	1,246	-	331	1,302	755	4,458	2,548	755
		2013	3,222	1,128	-	330	1,243	718	3,552	2,371	718

Notes: These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 49: Catcher/processor vessel weeks of fishing groundfish off Alaska by area, vessel-length class (feet), gear, and target, 2009 - 2013

			Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska			
		Year	<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Hook & Line	Sablefish	2009	6	28	23	-	-	49	16	-	6	77	39	-
		2010	6	14	18	-	-	45	14	-	6	59	32	-
		2011	6	14	18	-	2	70	6	-	8	84	24	-
		2012	8	15	10	-	-	78	3	-	8	92	13	-
		2013	11	11	17	-	-	87	-	-	11	98	17	-
	Pacific Cod	2009	2	54	11	-	7	310	541	-	9	364	552	-
		2010	16	54	22	-	12	249	475	-	28	303	496	-
		2011	13	68	18	-	-	325	623	-	13	393	641	-
		2012	11	48	6	-	10	394	658	-	21	442	663	-
		2013	-	28	8	-	-	314	642	-	-	343	650	-
	Flatfish	2009	-	-	-	-	-	23	28	-	-	23	28	-
		2010	-	-	-	-	3	31	45	-	3	31	45	-
		2011	-	-	-	-	2	33	16	-	2	33	16	-
		2012	-	-	-	-	-	44	8	-	-	44	8	-
		2013	-	-	-	-	-	16	0	-	-	16	0	-
	Rockfish	2009	-	-	-	-	-	-	0	-	-	-	0	-
		2010	-	-	-	-	-	-	0	-	-	-	0	-
		2012	-	-	-	-	-	1	-	-	-	1	-	-
		2013	-	-	-	-	-	2	-	-	-	2	-	-
	All Groundfish	2009	8	82	34	-	7	382	587	-	15	464	621	-
		2010	22	67	40	-	15	326	533	-	37	393	573	-
		2011	19	82	36	-	4	428	645	-	23	510	681	-
		2012	19	63	16	-	10	517	669	-	29	580	685	-
		2013	11	39	25	-	-	420	642	-	11	459	667	-

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Table 49: Continued

			Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska			
		Year	<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Pot	Pacific Cod	2009	-	4	2	-	-	32	37	-	-	36	39	-
		2010	-	-	-	-	-	66	25	-	-	66	25	-
		2011	-	-	3	-	-	15	29	-	-	15	32	-
		2012	-	-	0	-	-	22	38	-	-	22	38	-
		2013	-	-	-	-	-	-	54	-	-	-	54	-
Trawl	Pollock	2009	-	0	-	-	-	4	16	242	-	4	16	242
		2010	-	-	-	-	-	3	9	237	-	3	9	237
		2011	-	0	0	-	-	4	10	414	-	4	10	414
		2012	-	0	-	-	-	2	5	313	-	2	5	313
		2013	-	1	0	-	-	3	13	309	-	4	14	309
	Sablefish	2009	-	-	0	-	-	-	0	-	-	-	0	-
		2010	-	-	0	-	-	-	-	-	-	-	0	-
		2013	-	-	-	-	-	0	0	-	-	0	0	-
	Pacific Cod	2009	-	6	0	-	-	6	9	6	-	12	9	6
		2010	-	0	-	-	-	5	7	8	-	5	7	8
		2011	-	-	1	-	-	3	4	1	-	3	5	1
		2012	-	4	0	-	-	6	3	5	-	10	3	5
		2013	-	-	0	-	-	4	11	5	-	4	11	5
	Flatfish	2009	-	57	9	-	-	159	333	49	-	216	342	49
		2010	-	49	9	-	-	148	357	51	-	198	366	51
		2011	-	50	17	-	-	144	407	52	-	194	423	52
		2012	-	39	10	-	-	125	402	69	-	164	412	69
		2013	-	48	12	-	-	105	400	87	-	153	412	87

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Table 49: Continued

			Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska			
		Year	<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Trawl	Rockfish	2009	-	9	28	2	-	1	11	8	-	11	38	10
		2010	-	3	33	3	-	0	18	7	-	3	51	10
		2011	-	-	29	2	-	5	24	12	-	5	53	14
		2012	-	3	26	1	-	5	25	10	-	8	51	11
		2013	-	3	27	1	-	0	40	16	-	3	66	16
	Atka Mackerel	2009	-	-	-	-	-	1	76	33	-	1	76	33
		2010	-	-	0	-	-	-	77	33	-	-	77	33
		2011	-	-	0	-	-	0	60	25	-	0	60	25
		2012	-	-	-	-	-	1	63	24	-	1	63	24
		2013	-	0	0	-	-	0	33	13	-	0	33	13
	All Groundfish	2009	-	73	37	2	-	171	445	339	-	244	482	341
		2010	-	53	43	3	-	157	467	335	-	210	510	338
		2011	-	50	47	2	-	156	505	504	-	206	552	506
		2012	-	46	36	1	-	140	498	422	-	186	534	423
		2013	-	52	39	1	-	113	498	428	-	165	537	429
All Gear	All Groundfish	2009	8	158	73	2	7	586	1,069	339	15	744	1,142	341
		2010	22	120	83	3	15	549	1,025	335	37	669	1,108	338
		2011	19	131	86	2	4	603	1,185	504	23	734	1,271	506
		2012	19	110	53	1	10	690	1,204	422	29	800	1,257	423
		2013	11	92	63	1	-	532	1,195	428	11	624	1,258	429

Notes: These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 50: Total at-sea processor vessel crew weeks in the groundfish fisheries off Alaska by month and area, 2009 - 2013

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Gulf of Alaska	2009	*	700	138	610	405	*	1,571	311	132	440	180	*	4,487
	2010	67	630	237	544	265	55	1,629	102	462	446	*	*	4,437
	2011	498	267	112	635	251	196	1,404	323	376	483	167	175	4,887
	2012	370	186	86	471	220	144	1,161	396	128	178	110	*	3,450
	2013	*	98	214	326	204	433	951	341	*	*	283	96	2,946
Bering Sea & Aleutian Islands	2009	7,984	12,017	10,223	4,557	2,686	4,492	9,260	12,868	9,753	6,971	3,110	1,081	85,002
	2010	7,796	12,775	10,917	4,412	3,899	5,442	10,389	9,231	6,891	6,079	3,380	1,326	82,537
	2011	6,311	13,513	13,817	8,407	3,882	7,601	13,600	11,967	12,266	14,208	5,033	2,105	112,710
	2012	6,434	13,755	15,928	4,383	3,621	10,683	11,700	12,300	11,670	5,207	3,661	2,757	102,099
	2013	4,694	13,341	16,032	4,875	3,756	8,744	9,974	13,745	8,716	5,773	4,581	2,506	96,737
All Alaska	2009	7,984	12,717	10,361	5,167	3,091	4,492	10,831	13,179	9,885	7,411	3,290	1,081	89,489
	2010	7,863	13,405	11,154	4,956	4,164	5,497	12,018	9,333	7,353	6,525	3,380	1,326	86,974
	2011	6,809	13,780	13,929	9,042	4,133	7,797	15,004	12,290	12,642	14,691	5,200	2,280	117,597
	2012	6,804	13,941	16,014	4,854	3,841	10,827	12,861	12,696	11,798	5,385	3,771	2,757	105,549
	2013	4,694	13,439	16,246	5,201	3,960	9,177	10,925	14,086	8,716	5,773	4,864	2,602	99,683

Notes: Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. Catcher processors typically account for 90-95% of the total crew weeks in all areas. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: Weekly Processor Reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

A. ADDITIONAL ECONOMIC DATA TABLES

A.1. Ex-vessel Value and Price Data Tables: alternative pricing based on CFEC fish tickets

These tables present ex-vessel prices and value utilizing prices derived from ADF&G fish tickets priced by the Alaska Commercial Fisheries Entry Commission (CFEC). This provides an alternative source of ex-vessel prices to the Commercial Operator Annual Report (COAR) purchasing data that has historically been used to assemble Tables 16-24. CFEC fish ticket prices reflect individual transactions reported on shoreside and mothership landing reports, adjusted by analysts with consideration to COAR buying data, and therefore may be subject to additional scrutiny. Work is ongoing to analyze and characterize differences between the two pricing methods, and we are working with industry to get their perspective on which source may best reflect the pricing conditions faced by their companies. Until we have finalized this inquiry we will retain the CFEC pricing in this appendix. Note that Tables 16.B-24.B are valid only for the years after 2003.

Table 16.B: Real ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 2004 - 2013 ; calculations based on CFEC fish tickets ($ millions, base year = 2013)

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
2004	238.8	367.5	20.2	243.1	753.1	1,622.7
2005	224.9	419.1	19.6	227.2	873.6	1,764.4
2006	176.8	393.1	12.4	241.6	893.3	1,717.2
2007	230.8	473.4	18.9	266.2	890.9	1,880.2
2008	302.2	482.9	29.9	243.9	1,058.9	2,117.8
2009	229.0	459.9	28.3	159.5	659.1	1,535.8
2010	252.0	569.1	24.1	218.8	720.0	1,784.0
2011	307.7	632.4	11.2	212.1	913.3	2,076.8
2012	329.8	550.9	22.4	149.7	971.6	2,024.4
2013	238.4	679.5	16.3	111.5	824.3	1,870.0

Notes: These estimates include the value of catch from both federal and state of Alaska fisheries. The data have been adjusted to 2013 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: http://data.bls.gov/cgi-bin/srgate.

Source: NMFS Alaska Region Blend and Catch-Accounting System estimates, At-Sea Production Report, Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 17.B: Percentage distribution of ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 2004 - 2013 ; calculations based on CFEC fish tickets.

Year	Shellfish	Salmon	Herring	Halibut	Groundfish
2004	14.7 %	22.6 %	1.2 %	15.0 %	46.4 %
2005	12.7 %	23.8 %	1.1 %	12.9 %	49.5 %
2006	10.3 %	22.9 %	0.7 %	14.1 %	52.0 %
2007	12.3 %	25.2 %	1.0 %	14.2 %	47.4 %
2008	14.3 %	22.8 %	1.4 %	11.5 %	50.0 %
2009	14.9 %	29.9 %	1.8 %	10.4 %	42.9 %
2010	14.1 %	31.9 %	1.4 %	12.3 %	40.4 %
2011	14.8 %	30.5 %	0.5 %	10.2 %	44.0 %
2012	16.3 %	27.2 %	1.1 %	7.4 %	48.0 %
2013	12.7 %	36.3 %	0.9 %	6.0 %	44.1 %

Notes: These estimates report the distribution of the value of catch from both federal and state of Alaska fisheries.

Source: NMFS Alaska Region Blend and Catch-Accounting System estimates, At-Sea Production Report, Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, Fisheries of the United States. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 18.B: Ex-vessel prices in the groundfish fisheries off Alaska by area, gear, and species, 2009 - 2013 ; calculations based on CFEC fish tickets ($/lb, round weight)

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska
	Year	Fixed	Trawl	Fixed	Trawl	All Gear
Pollock	2009	0.102	0.164	0.066	0.135	0.136
	2010	0.117	0.166	0.129	0.142	0.144
	2011	0.141	0.161	0.172	0.142	0.143
	2012	0.146	0.170	0.161	0.157	0.158
	2013	0.154	0.150	0.139	0.134	0.135
Sablefish	2009	3.117	2.052	2.996	1.280	3.013
	2010	3.689	2.844	3.588	1.595	3.599
	2011	4.935	4.032	4.883	1.792	4.844
	2012	3.968	3.246	3.506	1.013	3.824
	2013	2.774	2.317	2.720	1.014	2.718
Pacific Cod	2009	0.279	0.238	0.190	0.163	0.201
	2010	0.270	0.231	0.300	0.230	0.271
	2011	0.319	0.299	0.218	0.224	0.246
	2012	0.342	0.310	0.194	0.238	0.239
	2013	0.271	0.234	0.221	0.222	0.229
Flatfish	2009	0.036	0.119	0.130	0.139	0.137
	2010	0.051	0.100	0.044	0.147	0.141
	2011	0.056	0.091	0.065	0.180	0.169
	2012	0.072	0.108	0.049	0.199	0.191
	2013	0.051	0.113	0.311	0.194	0.186
Rockfish	2009	0.677	0.141	0.553	0.171	0.172
	2010	0.634	0.181	0.404	0.228	0.216
	2011	0.698	0.259	0.526	0.345	0.316
	2012	0.801	0.265	0.501	0.289	0.290
	2013	0.796	0.233	0.548	0.292	0.282
Atka Mackerel	2009	*	0.280	*	0.188	0.190
	2010	*	0.277	0.054	0.209	0.210
	2011	0.016	0.364	0.151	0.265	0.267
	2012	0.131	0.386	0.152	0.293	0.295
	2013	*	0.387	0.033	0.294	0.297

Notes: 1) Prices are for catch from both federal and state of Alaska fisheries.
2) Prices do not include the value added by at-sea processing except for the value added by dressing fish at sea where the fish have not been frozen. The unfrozen landings price is calculated as landed value divided by estimated or actual round weight.
3) Trawl-caught sablefish, rockfish and flatfish in the BSAI and trawl-caught Atka mackerel in both the BSAI and the GOA are not well represented by on-shore landings. A price was calculated for these categories from product-report prices; the price in this case is the value of the product divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing.
4) The "All Alaska/All gear" column is the weighted average of the other columns.
"*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, At-Sea Production Report, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 19.B: Ex-vessel value of the groundfish catch off Alaska by area, vessel category, gear, and species, 2009 - 2013 ; calculations based on CFEC fish tickets ($ millions)

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Hook & Line	Sablefish	2009	64.3	6.9	71.2	3.9	4.2	8.1	68.3	11.1	79.4
		2010	72.8	5.3	78.2	5.2	4.7	9.8	78.0	10.0	88.0
		2011	105.0	8.3	113.4	7.4	4.6	12.0	112.4	12.9	125.3
		2012	94.5	6.1	100.6	6.1	4.1	10.2	100.6	10.2	110.8
		2013	64.4	4.1	68.5	3.6	3.0	6.5	68.0	7.1	75.0
	Pacific Cod	2009	7.7	2.1	9.8	0.4	39.6	40.0	8.1	41.7	49.9
		2010	8.2	5.1	13.4	0.4	57.3	57.7	8.7	62.4	71.1
		2011	10.7	3.4	14.1	0.8	49.5	50.3	11.4	53.0	64.4
		2012	13.1	1.6	14.7	0.7	46.2	46.9	13.8	47.8	61.6
		2013	6.5	1.7	8.3	0.7	55.3	56.0	7.2	57.1	64.3
	Flatfish	2009	0	0	0	*	0.5	0.5	0	0.5	0.5
		2010	0	0	0	*	0.3	0.3	0	0.3	0.3
		2011	0	0	0	*	0.3	0.3	0	0.3	0.3
		2012	0	0	0	*	0.3	0.3	0	0.3	0.3
		2013	0	*	0	*	0.5	0.5	0	0.5	0.5
	Rockfish	2009	1.5	0.1	1.6	0.1	0.2	0.3	1.5	0.4	1.9
		2010	1.4	0.1	1.5	0.1	0.3	0.3	1.5	0.4	1.8
		2011	1.3	0.1	1.4	0.1	0.1	0.2	1.4	0.2	1.7
		2012	1.8	0.1	2.0	0.1	0.2	0.3	1.9	0.3	2.2
		2013	2.0	0.1	2.1	0.1	0.1	0.2	2.0	0.3	2.3
	All Species	2009	74.0	9.2	83.2	4.4	45.6	50.0	78.4	54.8	133.2
		2010	82.9	10.8	93.7	5.7	65.0	70.7	88.6	75.7	164.3
		2011	117.6	12.1	129.7	8.3	58.3	66.5	125.8	70.4	196.2
		2012	110.4	8.0	118.3	6.8	56.0	62.8	117.2	64.0	181.2
		2013	73.6	6.0	79.5	4.3	64.3	68.6	77.8	70.3	148.1

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Table 19.B: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Pot	Pacific Cod	2009	13.7	*	13.7	6.6	2.0	8.7	20.3	2.0	22.3
		2010	20.0	-	20.0	11.4	3.7	15.1	31.4	3.7	35.1
		2011	33.3	*	33.3	18.2	1.3	19.5	51.5	1.3	52.7
		2012	28.7	*	28.7	19.9	2.2	22.0	48.6	2.2	50.8
		2013	18.4	-	18.4	16.4	*	16.4	34.8	*	34.8
Trawl	Pollock	2009	14.8	0.2	15.0	170.6	68.1	238.7	185.4	68.3	253.7
		2010	27.4	0.3	27.6	146.7	104.6	251.4	174.1	104.9	279.0
		2011	27.8	0.4	28.1	223.3	148.6	372.0	251.1	149.0	400.1
		2012	37.8	0.4	38.2	235.0	178.3	413.3	272.8	178.7	451.6
		2013	30.7	0.4	31.1	194.8	179.2	373.9	225.5	179.5	405.0
	Sablefish	2009	2.1	1.6	3.7	0	0.5	0.5	2.1	2.1	4.1
		2010	2.9	2.5	5.4	0	0.4	0.4	2.9	2.9	5.7
		2011	4.7	3.5	8.2	0	0.3	0.3	4.7	3.8	8.5
		2012	2.9	2.8	5.7	*	0.5	0.5	2.9	3.3	6.2
		2013	2.1	2.0	4.1	*	0.4	0.4	2.1	2.4	4.5
	Pacific Cod	2009	5.5	0.2	5.8	12.0	8.5	20.5	17.5	8.8	26.3
		2010	9.2	0.6	9.8	11.3	18.5	29.8	20.5	19.1	39.7
		2011	9.9	0.5	10.4	17.8	18.1	35.9	27.7	18.6	46.3
		2012	12.9	0.4	13.3	28.1	17.4	45.5	41.0	17.9	58.9
		2013	9.5	0.5	10.0	21.2	22.0	43.2	30.7	22.5	53.2
	Flatfish	2009	5.3	2.5	7.8	0.6	60.4	61.0	5.9	62.9	68.7
		2010	3.8	2.2	5.9	0.2	73.1	73.3	4.0	75.2	79.2
		2011	4.1	2.5	6.6	0.5	102.2	102.7	4.6	104.7	109.3
		2012	3.5	2.1	5.6	0.5	117.0	117.5	4.0	119.1	123.1
		2013	4.2	2.7	6.9	0.3	115.3	115.6	4.5	118.0	122.5

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Table 19.B: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Trawl	Rockfish	2009	1.5	4.7	6.2	0.1	6.3	6.4	1.6	11.0	12.6
		2010	2.5	6.6	9.1	0	10.7	10.7	2.5	17.3	19.8
		2011	2.9	8.7	11.5	0	20.4	20.5	2.9	29.1	32.0
		2012	6.1	8.1	14.2	0	16.8	16.8	6.1	24.9	31.0
		2013	3.9	6.7	10.7	0	21.6	21.7	4.0	28.4	32.3
	Atka Mackerel	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
		2010	0	0.7	0.7	0	29.8	29.8	0	30.5	30.5
		2011	0	0.8	0.8	0.1	29.1	29.2	0.1	29.9	30.0
		2012	0	0.6	0.6	0	30.0	30.0	0	30.6	30.6
		2013	0	0.7	0.7	0	14.6	14.6	0	15.3	15.3
	All Species	2009	29.8	10.1	39.9	183.3	173.0	356.3	213.1	183.0	396.1
		2010	46.6	13.1	59.7	158.4	237.9	396.3	205.0	251.1	456.0
		2011	50.7	16.7	67.4	241.8	319.1	560.9	292.5	335.8	628.2
		2012	64.6	14.7	79.4	263.7	361.0	624.8	328.4	375.8	704.2
		2013	51.9	13.1	65.0	216.3	353.2	569.5	268.2	366.2	634.5
All Gear	Pollock	2009	14.9	0.2	15.0	170.6	68.7	239.3	185.4	68.9	254.3
		2010	27.4	0.3	27.7	146.7	105.6	252.3	174.1	105.9	280.0
		2011	27.8	0.4	28.2	223.3	150.4	373.7	251.1	150.8	401.9
		2012	37.9	0.4	38.3	235.0	179.9	414.9	272.9	180.3	453.2
		2013	30.8	0.4	31.1	194.8	180.5	375.3	225.5	180.9	406.4
	Sablefish	2009	66.4	8.5	74.9	7.9	4.7	12.5	74.3	13.2	87.4
		2010	75.7	7.9	83.5	5.2	5.0	10.2	80.9	12.9	93.7
		2011	109.7	11.8	121.5	12.7	4.9	17.6	122.3	16.8	139.1
		2012	97.4	8.9	106.3	6.1	4.6	10.7	103.5	13.5	117.0
		2013	66.7	6.1	72.8	3.6	3.4	7.0	70.2	9.5	79.7

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Table 19.B: Continued

			Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Year	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
All Gear	Pacific Cod	2009	26.9	2.4	29.3	19.0	50.2	69.2	45.9	52.5	98.5
		2010	37.5	5.8	43.2	23.2	79.5	102.7	60.6	85.3	145.9
		2011	53.8	3.9	57.7	36.7	68.9	105.6	90.6	72.8	163.4
		2012	54.7	2.0	56.8	48.6	65.8	114.4	103.4	67.8	171.2
		2013	34.3	2.3	36.6	38.3	77.3	115.6	72.7	79.6	152.2
	Flatfish	2009	5.3	2.5	7.8	0.6	60.9	61.5	5.9	63.4	69.2
		2010	3.8	2.2	6.0	0.2	73.3	73.6	4.0	75.5	79.5
		2011	4.1	2.5	6.6	0.5	102.5	103.1	4.6	105.1	109.7
		2012	3.5	2.1	5.6	0.5	117.3	117.8	4.0	119.4	123.4
		2013	4.2	2.7	6.9	0.3	115.9	116.2	4.5	118.5	123.0
	Rockfish	2009	2.9	4.8	7.8	0.2	6.5	6.7	3.1	11.3	14.5
		2010	3.9	6.7	10.5	0.1	11.0	11.0	3.9	17.7	21.6
		2011	4.2	8.8	12.9	0.1	20.6	20.7	4.3	29.3	33.6
		2012	8.0	8.2	16.1	0.1	17.0	17.1	8.1	25.2	33.2
		2013	5.9	6.9	12.8	0.1	21.8	21.9	6.0	28.6	34.6
	Atka Mackerel	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
		2010	0	0.7	0.7	0	29.8	29.8	0	30.5	30.5
		2011	0	0.8	0.8	0.1	29.1	29.2	0.1	29.9	30.0
		2012	0	0.6	0.6	0	30.0	30.0	0	30.6	30.6
		2013	0	0.7	0.7	0	14.6	14.6	0	15.3	15.3
	All Species	2009	117.8	19.3	137.0	198.3	220.6	418.9	316.0	239.9	555.9
		2010	149.8	23.9	173.7	175.5	306.6	482.1	325.2	330.5	655.8
		2011	201.9	28.8	230.7	273.5	378.6	652.1	475.4	407.4	882.8
		2012	204.0	22.7	226.7	290.5	419.2	709.7	494.5	441.9	936.4
		2013	144.3	19.0	163.3	237.0	417.5	654.5	381.3	436.5	817.8

Notes: These estimates include the value of catch from both federal and state of Alaska fisheries. Ex-vessel value is calculated using prices on Table 18b. Please refer to Table 18b for a description of the price derivation. All groundfish includes additional species categories. The value added by at-sea processing is not included in these estimates of ex-vessel value. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch Accounting System, Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, At-Sea Production Report (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 20.B: Ex-vessel value of Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2004 - 2013 ; calculations based on CFEC fish tickets ($ millions)

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2004	58.5	21.9	0.1	3.9	8.0	1.8	62.4	29.8	1.9
	2005	53.1	24.3	0.3	3.9	11.1	1.9	57.1	35.4	2.1
	2006	60.9	30.7	0.2	6.2	13.2	3.6	67.2	43.9	3.8
	2007	70.1	31.4	0	5.8	16.4	2.7	75.9	47.8	2.7
	2008	81.4	33.1	0.3	9.4	16.5	3.8	90.8	49.6	4.1
	2009	63.3	24.8	*	5.4	7.9	1.7	68.7	32.8	1.7
	2010	74.5	28.8	*	7.0	10.9	2.9	81.5	39.7	2.9
	2011	109.0	42.6	*	12.3	15.4	4.0	121.4	58.0	4.0
	2012	101.1	38.6	*	15.4	10.6	3.6	116.5	49.2	3.6
	2013	68.4	24.0	*	11.7	8.1	3.2	80.1	32.1	3.2
Trawl	2004	4.1	22.8	-	*	76.9	83.1	4.1	99.7	83.1
	2005	7.2	28.3	-	*	83.8	102.3	7.2	112.0	102.3
	2006	7.2	31.4	-	*	92.6	110.3	7.2	123.9	110.3
	2007	7.7	29.6	-	*	88.0	96.9	7.7	117.6	96.9
	2008	12.1	38.1	*	*	103.4	118.0	12.1	141.5	118.0
	2009	6.0	23.9	-	*	69.9	81.3	6.0	93.8	81.3
	2010	8.8	37.8	-	*	60.4	67.8	8.8	98.2	67.8
	2011	7.2	43.5	-	*	96.3	104.7	7.2	139.8	104.7
	2012	13.9	50.8	-	*	107.0	114.6	13.9	157.7	114.6
	2013	8.2	43.7	-	*	86.1	96.7	8.2	129.8	96.7
All Gear	2004	62.6	44.6	0.1	3.9	84.9	85.0	66.5	129.5	85.1
	2005	60.3	52.6	0.3	3.9	94.9	104.2	64.3	147.5	104.4
	2006	68.2	62.1	0.2	6.2	105.8	113.8	74.4	167.9	114.1
	2007	77.8	61.0	0	5.8	104.3	99.6	83.7	165.4	99.6
	2008	93.5	71.2	0.3	9.4	119.9	121.7	102.9	191.1	122.0
	2009	69.3	48.7	*	5.4	77.8	83.0	74.7	126.5	83.0
	2010	83.3	66.6	*	7.0	71.3	70.7	90.3	137.9	70.7
	2011	116.2	86.1	*	12.3	111.7	108.7	128.6	197.8	108.7
	2012	114.9	89.4	*	15.4	117.5	118.3	130.3	206.9	118.3
	2013	76.5	67.7	*	11.7	94.3	99.9	88.3	162.0	99.9

Notes: These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-Accounting System and At-Sea Production Report, Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, ADF&G COAR production data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 21.B: Ex-vessel value per catcher vessel for Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2004 - 2013 ; calculations based on CFEC fish tickets ($ thousands)

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Year	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2004	60	168	27	72	107	100	63	185	101
	2005	59	204	55	60	174	125	62	235	143
	2006	61	245	60	96	210	296	65	295	316
	2007	67	283	9	81	282	222	71	339	224
	2008	75	315	75	120	271	376	82	376	369
	2009	62	256	*	78	168	210	66	275	187
	2010	72	303	*	103	227	320	77	345	288
	2011	98	463	*	172	275	497	109	496	442
	2012	91	471	*	241	230	403	104	464	363
	2013	74	324	*	148	173	358	84	328	358
Trawl	2004	178	422	-	*	1,025	3,080	164	1,038	3,080
	2005	266	554	-	*	1,180	3,934	266	1,218	3,934
	2006	279	654	-	*	1,285	4,241	279	1,319	4,241
	2007	286	644	-	*	1,222	3,728	286	1,321	3,728
	2008	432	866	*	*	1,477	4,213	432	1,590	4,213
	2009	213	542	-	*	1,043	3,011	213	1,103	3,011
	2010	352	879	-	*	974	2,513	339	1,227	2,513
	2011	300	966	-	*	1,395	3,878	300	1,704	3,878
	2012	578	1,080	-	*	1,646	4,094	578	1,923	4,094
	2013	315	994	-	*	1,325	3,582	315	1,583	3,582
All Gear	2004	64	255	27	64	574	1,888	67	527	1,849
	2005	66	327	55	56	708	2,541	69	633	2,547
	2006	67	383	60	92	790	2,995	72	727	3,001
	2007	74	402	9	74	809	2,621	78	738	2,622
	2008	85	494	60	113	922	3,203	92	889	3,129
	2009	67	358	*	71	689	2,371	72	639	2,305
	2010	80	501	*	97	648	1,964	85	726	1,911
	2011	104	648	*	169	893	3,105	114	1,014	3,019
	2012	103	709	*	223	1,059	3,196	116	1,118	3,112
	2013	82	589	*	145	842	2,776	92	915	2,776

Notes: These estimates include only catch counted against federal TACs. "*" indicates a confidential value; "-" indicates no applicable data or value.

Source: NMFS Alaska Region Catch-Accounting System and At-Sea Production Report; Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, ADF&G COAR production data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 22.B: Ex-vessel value of the groundfish catch off Alaska by area, residency, and species, 2009 - 2013 ; calculations based on CFEC fish tickets ($ millions).

		Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Year	Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2009	7.2	7.9	38.4	200.8	45.6	208.7
	2010	13.3	14.4	47.2	205.2	60.5	219.6
	2011	11.9	16.3	55.6	318.1	67.5	334.4
	2012	15.6	22.7	60.1	354.8	75.7	377.5
	2013	11.4	19.7	55.8	319.5	67.2	339.2
Sablefish	2009	42.6	32.5	4.0	8.5	46.6	41.0
	2010	46.2	37.6	3.8	10.0	50.1	47.6
	2011	67.4	54.5	7.4	10.4	74.8	64.9
	2012	58.2	48.4	4.7	8.9	62.8	57.3
	2013	40.5	32.3	4.2	5.1	44.7	37.4
Pacific Cod	2009	21.2	8.1	13.6	55.6	34.8	63.7
	2010	29.2	14.0	24.1	78.5	53.3	92.6
	2011	42.2	15.6	23.1	82.5	65.3	98.1
	2012	42.1	14.7	24.5	90.0	66.6	104.6
	2013	25.2	11.5	27.2	92.3	52.3	103.8
Flatfish	2009	2.8	5.0	16.7	44.8	19.5	49.8
	2010	2.2	3.8	20.6	53.0	22.8	56.7
	2011	1.8	4.8	8.2	94.8	10.0	99.6
	2012	1.4	4.2	1.3	116.4	2.8	120.6
	2013	1.6	5.3	6.3	109.8	7.9	115.2
Rockfish	2009	2.6	5.2	0.2	6.5	2.8	11.7
	2010	3.3	7.2	0.3	10.8	3.6	18.0
	2011	2.2	10.8	0.5	20.2	2.7	30.9
	2012	4.1	12.1	0.1	17.0	4.2	29.1
	2013	3.3	9.5	0.2	21.6	3.5	31.1
Atka Mackerel	2009	0	0.8	0	28.9	0.1	29.7
	2010	0.1	0.6	0	29.8	0.1	30.4
	2011	0	0.8	0	29.2	0	30.0
	2012	0	0.6	0	30.1	0	30.6
	2013	0	0.7	0	14.6	0	15.3
All Groundfish	2009	77.4	59.9	73.0	345.9	150.4	405.8
	2010	95.5	78.4	96.4	389.3	191.9	467.8
	2011	127.0	104.2	95.3	557.0	222.3	661.2
	2012	123.0	104.1	91.8	620.8	214.7	724.9
	2013	83.1	80.3	94.5	566.3	177.7	646.6

Notes: These estimates include only catches counted against federal TACs. Ex-vessel value is calculated using prices on Table 18b. Please refer to Table 18b for a description of the price derivation. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. For catch for which the residence is unknown, there are either no data or the data have been suppressed to preserve confidentiality.

Source: NMFS Alaska Region Catch Accounting System, Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, At-Sea Production Report (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 23.B: Ex-vessel value of groundfish delivered to shoreside processors by processor group, 2008 - 2013 ; calculations based on CFEC fish tickets ($ millions)

Region	2008	2009	2010	2011	2012	2013
Bering Sea Pollock	258.0	174.3	172.5	247.7	262.8	212.9
AK Peninsula/Aleutians	23.9	10.1	5.7	12.0	19.7	14.9
Kodiak	67.7	42.3	60.1	79.0	87.7	64.5
South Central	25.9	25.7	26.8	44.3	36.5	25.7
Southeastern	33.3	28.6	31.2	41.9	39.9	26.0
All Regions	408.8	281.0	296.4	424.9	446.5	344.0

Table 24.B: Ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors by processor group, 2008 - 2013 ; calculations based on CFEC fish tickets (percent)

Region	2008	2009	2010	2011	2012	2013
Bering Sea Pollock	62.8	61.4	58.2	59.2	64.3	64.3
AK Peninsula/Aleutians	11.8	5.4	2.6	4.4	7.2	6.5
Kodiak	45.2	37.1	45.6	43.7	49.2	42.1
South Central	12.3	16.7	9.4	17.0	15.6	9.6
Southeastern	15.3	15.6	13.7	13.9	15.4	8.5
All Regions	34.3	30.5	25.6	29.6	32.9	26.7

Notes: These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values in Table 34. The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

Source: Alaska Commercial Fisheries Entry Commission (CFEC) fish tickets, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

A.2. Supplementary Data Tables

Table E.1: Global production and value of whitefish (cods, hakes, haddocks) 2009 - 2013 (1,000 metric tons product weight and million dollars)

Data	2009	2010	2011	2012
Production	5510	5961	6506	6499
Value	6101	7188	8359	7565

Notes: Production and Value include capture and aquaculture.

Source: FAO, Yearbook of Fishery Statistics Summary tables, Appendix II - World fishery production: estimated value by groups of species; ftp://ftp.fao.org/FI/STAT/summary/appIIybc.pdf

Table E.2: Quantities and value of groundfish exports originating from Alaska and Washington by species (group), destination country, and product type 2010 - 2014 (1,000 metric tons product weight and million dollars).

			2010		2011		2012		2013		2014	
		Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Alaska Pollock	Japan	Frozen Fillet	0.26	$ 0.44	0.19	$ 0.44	0.23	$ 0.42	1.75	$ 4.97	1.91	$ 3.35
		Frozen Surimi	0.72	$ 1.72	0.31	$ 0.75	0.14	$ 0.32	0.9	$ 2.81	0.01	$ 0.05
		Roe Frozen	45.66	$ 112.8	53.97	$ 115.33	67.6	$ 159.7	56.23	$ 115.84	30.05	$ 63.93
		Meat Frozen	5.54	$ 44.62	8.03	$ 56.24	7.62	$ 46.83	6.54	$ 42.54	11.04	$ 66.72
			-	$ -	-	$ -	-	$ -	-	$ -	0.4	$ 1.87
	China	Frozen Fillet	13.62	$ 26.56	25.02	$ 63.22	24.15	$ 53.91	43.38	$ 89.34	23.88	$ 51.67
		Frozen Surimi	11.88	$ 29.28	11.31	$ 27.43	8.87	$ 22.38	5.06	$ 11.8	2.06	$ 5.09
		Roe Frozen	1.17	$ 2.73	3.08	$ 6.73	1.43	$ 3.07	3.3	$ 6.61	1.55	$ 3.36
		Meat Frozen	0.14	$ 1.31	0.31	$ 1.72	0.55	$ 4.55	0.9	$ 6.19	0.67	$ 4.34
			-	$ -	-	$ -	-	$ -	0.09	$ 0.17	0.29	$ 0.9
	South Korea	Frozen Fillet	0.14	$ 0.29	1.85	$ 3.66	0.86	$ 1.71	2.59	$ 4.72	3.21	$ 5.51
		Frozen Surimi	6.91	$ 17.04	3.37	$ 7.08	1.6	$ 4	0.85	$ 1.73	0.34	$ 0.91
		Roe Frozen	33.67	$ 113.43	41.54	$ 120.49	44.95	$ 144.18	61.41	$ 156.44	22.2	$ 56.02
		Meat Frozen	5.6	$ 61.17	9.2	$ 100.42	7.56	$ 64.94	7.41	$ 64.55	8.01	$ 66.17
			-	$ -	-	$ -	0.95	$ 1.76	0.04	$ 0.1	0.22	$ 0.48
	Germany	Frozen Fillet	1.15	$ 4.27	3.94	$ 14.72	23.77	$ 74.58	4.44	$ 12.35	0.65	$ 1.81
		Frozen Surimi	35.76	$ 129.18	52.54	$ 169	37.35	$ 119.99	66.9	$ 200.35	28.56	$ 87
		Roe Frozen	0.79	$ 1.41	6.15	$ 11.34	8.52	$ 18.69	10.41	$ 20.89	2.48	$ 5.08
		Meat Frozen	-	$ -	-	$ -	0.02	$ 0.1	-	$ -	-	$ -
			-	$ -	-	$ -	0.27	$ 0.53	0.33	$ 0.81	0.38	$ 1.06

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Table E.2: Continued

			2010		2011		2012		2013		2014	
		Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Alaska Pollock	Netherlands	Frozen	0.05	$ 0.1	0.02	$ 0.04	1.54	$ 4.08	0.81	$ 1.75	0.45	$ 0.95
		Fillet Frozen	17.2	$ 58.44	31.54	$ 100.69	21.57	$ 67.41	25.38	$ 75.49	11.59	$ 34.81
		Surimi	2.64	$ 8.16	4.42	$ 11.29	4.47	$ 13.76	2.35	$ 6.11	1.15	$ 2.76
		Roe Frozen	-	$ -	0	$ 0.06	-	$ -	-	$ -	-	$ -
		Meat Frozen	-	$ -	-	$ -	0	$ 0.01	0.14	$ 0.27	0.12	$ 0.3
	Other	Frozen	2.07	$ 5.15	7.99	$ 20.43	11.24	$ 27.26	10.74	$ 26.04	5.84	$ 14.72
		Fillet Frozen	7.2	$ 19.75	14.32	$ 41.43	9.95	$ 29.43	14.23	$ 41.37	9.07	$ 28
		Surimi	9.68	$ 22.19	23.47	$ 49.19	23.97	$ 55.3	25.74	$ 53.7	11.52	$ 25.3
		Roe Frozen	0	$ 0.02	-	$ -	0.15	$ 1.45	0.11	$ 0.96	0.01	$ 0.11
		Meat Frozen	-	$ -	-	$ -	3.47	$ 12.47	3.29	$ 7.85	2.36	$ 6.59
Sablefish	Japan	Frozen	5.72	$ 47.63	8.53	$ 67	6.39	$ 68.18	5.79	$ 60.93	2.3	$ 25.02
		Fresh	0.89	$ 9.63	0.9	$ 8.19	0.92	$ 8.9	0.5	$ 5.6	0.14	$ 1.6
	China	Frozen	0.62	$ 4.67	0.9	$ 6.93	0.67	$ 6.3	0.53	$ 6.89	0.27	$ 4.02
		Fresh	0.32	$ 3.03	0.39	$ 3.27	0.47	$ 4.28	0.27	$ 3.16	0.02	$ 0.15
	South Korea	Frozen	0.07	$ 0.5	0.08	$ 0.53	0.14	$ 1.09	0.04	$ 0.46	-	$ -
		Fresh	0.03	$ 0.27	-	$ -	0.02	$ 0.1	0.01	$ 0.17	-	$ -
	Germany	Frozen	0.02	$ 0.18	0.03	$ 0.23	0.03	$ 0.26	0.01	$ 0.19	0.01	$ 0.18
		Fresh	0	$ 0.03	-	$ -	-	$ -	-	$ -	0	$ 0.03
	Netherlands	Frozen	0.01	$ 0.11	0.02	$ 0.25	0.01	$ 0.08	0.05	$ 0.48	0.04	$ 0.31
		Fresh	0.07	$ 0.66	0.03	$ 0.26	-	$ -	0.02	$ 0.03	-	$ -
	Other	Frozen	0.66	$ 4.78	1.15	$ 9.07	0.87	$ 8.67	0.85	$ 11.54	0.22	$ 3.47
		Fresh	0.11	$ 1.11	0.26	$ 1.56	0.15	$ 1.25	0.08	$ 0.87	0.06	$ 0.52

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Table E.2: Continued

			2010		2011		2012		2013		2014	
		Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Cod NSPF	Japan	Frozen	9.93	$ 33.22	12.46	$ 41.9	14.62	$ 50.43	10.75	$ 33.94	8.14	$ 23.71
		Fillet Frozen	1.84	$ 6.86	3.91	$ 16.07	0.47	$ 1.43	0.06	$ 0.18	0.02	$ 0.11
		Fresh	1.53	$ 4.68	0.97	$ 2.75	0.17	$ 0.53	0.16	$ 0.55	-	$ -
		Salted | Dried	0.05	$ 0.14	-	$ -	0.01	$ 0.02	0.13	$ 0.32	-	$ -
		Minced Frozen	0.65	$ 2.55	0.02	$ 0.05	0.06	$ 0.13	0.02	$ 0.05	0.07	$ 0.1
	China	Frozen	14.37	$ 38.27	30.28	$ 97.06	40.37	$ 125.39	46.77	$ 136.19	36.86	$ 100.63
		Fillet Frozen	1.52	$ 4.69	1.52	$ 5.79	4.24	$ 13.2	0.98	$ 3.87	0.66	$ 2.76
		Fresh	9.02	$ 25.03	10.65	$ 30.89	4.71	$ 14.15	0.19	$ 0.53	-	$ -
		Salted | Dried	0.12	$ 0.26	0.53	$ 1.49	1.57	$ 4.03	2.52	$ 6.03	1.23	$ 3.09
		Minced Frozen	0.46	$ 0.83	0.06	$ 0.14	0.1	$ 0.18	0.02	$ 0.06	-	$ -
	South Korea	Frozen	2.63	$ 7.95	4.35	$ 13.1	4.61	$ 13.7	7.69	$ 21.38	2.94	$ 6.65
		Fillet Frozen	0.95	$ 3.01	1.19	$ 3.29	0.05	$ 0.11	-	$ -	-	$ -
		Fresh	3.57	$ 10.45	1.41	$ 4.12	0.85	$ 2.46	-	$ -	0.02	$ 0.07
		Salted | Dried	-	$ -	-	$ -	0.94	$ 2.73	0.28	$ 0.68	0.02	$ 0.04
		Minced Frozen	0.09	$ 0.15	0.18	$ 0.34	0.04	$ 0.07	-	$ -	-	$ -
	Germany	Frozen	2.88	$ 9.75	3.55	$ 12.73	3.04	$ 11.01	2.85	$ 9.04	2.27	$ 8.08
		Fillet Frozen	0.44	$ 1.61	0.14	$ 0.54	0.05	$ 0.18	0.03	$ 0.07	-	$ -

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Table E.2: Continued

			2010		2011		2012		2013		2014	
		Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Cod NSPF	Netherlands	Frozen	7.62	$ 23.67	7.43	$ 25.72	6.15	$ 19.93	5.01	$ 16.15	2.69	$ 9.42
		Fillet Frozen	0.17	$ 0.54	0.02	$ 0.06	0.1	$ 0.37	0.22	$ 0.81	0.11	$ 0.4
		Fresh	0.14	$ 0.33	0.21	$ 0.37	0.02	$ 0.04	-	$ -	-	$ -
		Minced Frozen	0	$ 0	-	$ -	-	$ -	-	$ -	-	$ -
	Other	Frozen	18.94	$ 62.95	20.6	$ 77.26	18.73	$ 66.2	16.49	$ 51.74	6.46	$ 21.49
		Fillet Frozen	3.2	$ 12.48	2.95	$ 15.08	4.84	$ 20.9	1.23	$ 6.86	0.53	$ 2.83
		Fresh	1.31	$ 3.45	0.22	$ 0.52	0.08	$ 0.31	0.23	$ 0.79	0.17	$ 0.55
		Salted | Dried	0.18	$ 0.56	0.18	$ 0.34	0.39	$ 1.17	0.51	$ 1.45	1.37	$ 3.42
		Minced Frozen	0	$ 0.01	0.08	$ 0.17	-	$ -	0.04	$ 0.11	-	$ -
Yellowfin Sole	Japan	Frozen	0.93	$ 0.96	-	$ -	0.32	$ 0.4	0.03	$ 0.04	-	$ -
	China	Frozen	38.06	$ 40.38	23.27	$ 25.78	33.82	$ 45.26	62.54	$ 88.88	39.12	$ 54
	South Korea	Frozen	1.93	$ 1.94	10.18	$ 12.47	10.58	$ 13.09	9.38	$ 12.77	5.24	$ 6.57
	Germany	Frozen	0.01	$ 0.01	-	$ -	-	$ -	-	$ -	-	$ -
	Other	Frozen	0.2	$ 0.3	0.1	$ 0.13	0.53	$ 0.81	-	$ -	-	$ -
Flatfish NSPF	Japan	Frozen	8.24	$ 13.51	6.2	$ 9.95	2.44	$ 3.92	3.95	$ 7.54	3.92	$ 7.14
		Fillet Frozen	-	$ -	-	$ -	0.01	$ 0.03	0	$ 0.01	0	$ 0
		Fresh	3.15	$ 5.34	0.94	$ 1.46	0.36	$ 0.58	-	$ -	0	$ 0
		Fillet Fresh	-	$ -	-	$ -	0	$ 0.01	-	$ -	-	$ -
	China	Frozen	29.16	$ 44.87	22.29	$ 35.37	16.47	$ 28.1	34.56	$ 57.74	23.21	$ 37.46
		Fillet Frozen	-	$ -	-	$ -	0.03	$ 0.12	0.21	$ 0.85	0.03	$ 0.13
		Fresh	10.48	$ 16.58	6.06	$ 10.03	4.07	$ 6.38	-	$ -	-	$ -

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Table E.2: Continued

			2010		2011		2012		2013		2014	
		Product	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Flatfish NSPF	South Korea	Frozen	3.09	$ 5.23	3.22	$ 4.58	4.03	$ 5.85	1.48	$ 2.35	0.54	$ 0.79
		Fillet Frozen	-	$ -	-	$ -	0.06	$ 0.24	0.26	$ 0.97	0.09	$ 0.29
		Fresh	0.08	$ 0.15	0.02	$ 0.11	0.22	$ 0.34	0.01	$ 0.08	0.02	$ 0.05
	Nether-lands	Frozen	0.07	$ 0.13	-	$ -	-	$ -	0	$ 0.01	-	$ -
	Other	Frozen	2.25	$ 2.76	6.37	$ 7.72	0.76	$ 0.97	0.75	$ 1.24	0.41	$ 0.86
		Fillet Frozen	-	$ -	-	$ -	0.02	$ 0.15	0.03	$ 0.13	0	$ 0.02
		Fresh	0.05	$ 0.12	0	$ 0.03	0.03	$ 0.09	0.09	$ 0.24	0.02	$ 0.1
		Fillet Fresh	-	$ -	-	$ -	0.17	$ 1.39	0.15	$ 1.25	0.06	$ 0.47
Pac. Ocn. Perch	Japan	Frozen	3.63	$ 4.55	1.55	$ 2.17	3.23	$ 7.91	9.33	$ 33.63	1	$ 3.27
	China	Frozen	4.26	$ 7.1	8.08	$ 15.76	8.14	$ 24.55	8.98	$ 27.64	4.67	$ 15.05
	South Korea	Frozen	0.46	$ 0.73	0.74	$ 1.21	1.41	$ 4.06	1.4	$ 4.44	0.34	$ 0.89
	Other	Frozen	0.06	$ 0.19	0.26	$ 0.6	-	$ -	0.1	$ 0.17	0.03	$ 0.07
Atka Mackerel	Japan	Frozen	15.31	$ 20.77	12.18	$ 16.63	11.45	$ 24.7	7.79	$ 21.69	3.99	$ 11.1
	China	Frozen	7.84	$ 10.57	6.83	$ 9.26	5.86	$ 11.2	2.5	$ 6.95	1.4	$ 3.88
	South Korea	Frozen	2.19	$ 2.95	2.68	$ 3.78	2.42	$ 3.92	2.24	$ 5.83	0.59	$ 1.64
	Other	Frozen	-	$ -	-	$ -	0.29	$ 0.5	0.15	$ 0.2	-	$ -

Notes: Totals for China include Taipei and Hong Kong. Totals for "FLATFISH NSPF" include species "TURBOT GREENLAND", "PLAICE" and "SOLE ROCK"

Source: NOAA Fisheries, Fisheries Statistics Division, Foreign Trade Division of the U.S. Census Bureau, http://www.st.nmfs.noaa.gov/commercial-fisheries/foreign-trade/index.

Table E.3: Monthly Employment of Seafood Processing Workers in Alaska, 2009 - 2014.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2009	6900	8300	8400	7600	6600	11900	19400	16600	10600	6100	4600	2800	9200
2010	7100	8300	8600	7500	6600	11600	18900	16200	11100	6200	5000	3100	9200
2011	7300	9000	9400	8100	7200	13100	20400	18300	13400	7600	5600	3200	10200
2012	7700	9800	10300	8900	8200	13600	19500	16800	11400	7700	5700	3700	10300
2013	7600	9400	9600	9200	8300	13200	20400	17400	13100	8900	6600	4000	10600
2014	8400	10500	10600	9900	8600	14600	22500	-	-	-	-	-	-

Notes: Series code: 32311700.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, http://live.laborstats.alaska.gov/ces/ces.cfm?at=01&a=000000&adj=0.

Table E.4: Monthly Employment of Seafood Harvesting Workers in Alaska, 2008 - 2012.

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All Species	2008	2738	3138	4511	4445	5572	17022	20447	13634	8226	4202	2708	602
	2009	2527	2817	3126	4874	5693	17609	20076	13687	7148	4593	2388	507
	2010	2668	3060	4005	5255	5685	18878	23128	15287	7759	4992	2887	850
	2011	2898	3214	4010	4723	5610	20101	23813	15574	7916	5721	2303	849
	2012	2923	3409	4609	5402	6163	19237	24761	16191	6988	5453	2274	853
Groundfish	2008	2034	2135	2348	1714	1514	1736	1647	1817	2182	1494	805	90
	2009	1834	1811	1728	1746	1686	1592	1383	1596	1738	1420	567	111
	2010	1448	1690	1773	1716	1660	1436	1214	1518	1929	1230	589	196
	2011	1571	1767	2108	1935	1663	1622	1341	1586	2321	1938	628	465
	2012	1774	2052	2626	2099	1954	1924	1580	1735	2230	1878	765	437
Halibut	2008	3	0	1066	1260	1859	2284	1866	2345	1865	1004	590	0
	2009	0	0	372	1274	1802	1955	1501	2033	1727	1385	514	0
	2010	0	0	1002	1355	1895	1963	1735	2147	1685	1280	480	0
	2011	0	0	774	1134	1929	2066	1595	1820	1553	1162	374	0
	2012	0	0	614	969	1694	1936	1530	1941	1464	1241	297	0
Salmon	2008	126	145	286	500	1603	12383	16308	8924	4014	306	148	126
	2009	72	157	182	449	1353	13452	16611	9565	3420	370	171	163
	2010	155	296	358	635	1629	14938	19608	11153	3945	479	259	193
	2011	193	225	381	607	1640	15882	20344	11869	3894	704	265	174
	2012	104	220	404	635	1575	14467	21130	12066	3103	528	266	121

Notes: See original data source for details.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, http://labor.alaska.gov/research/seafood/seafoodstatewide.htm